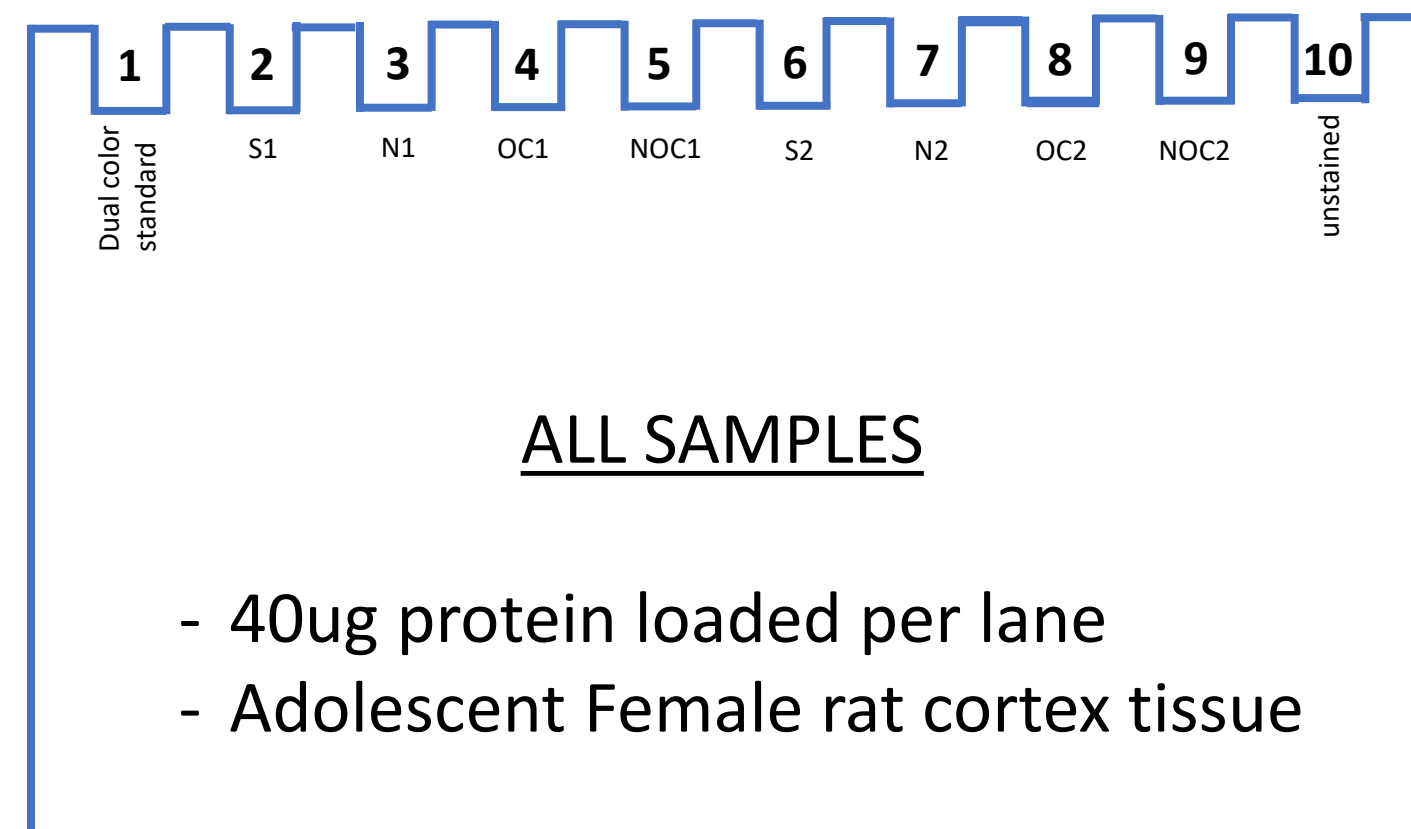# Supporting Information File:
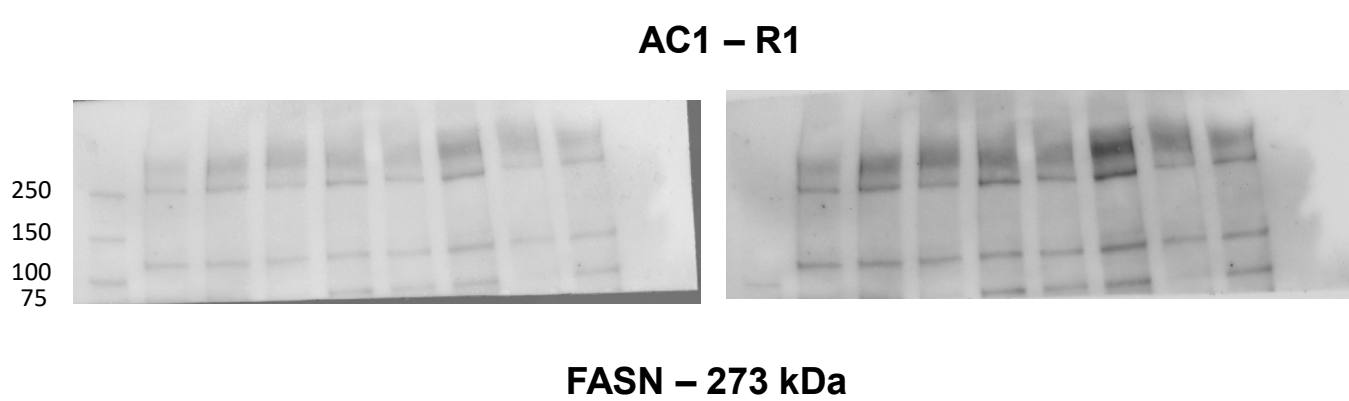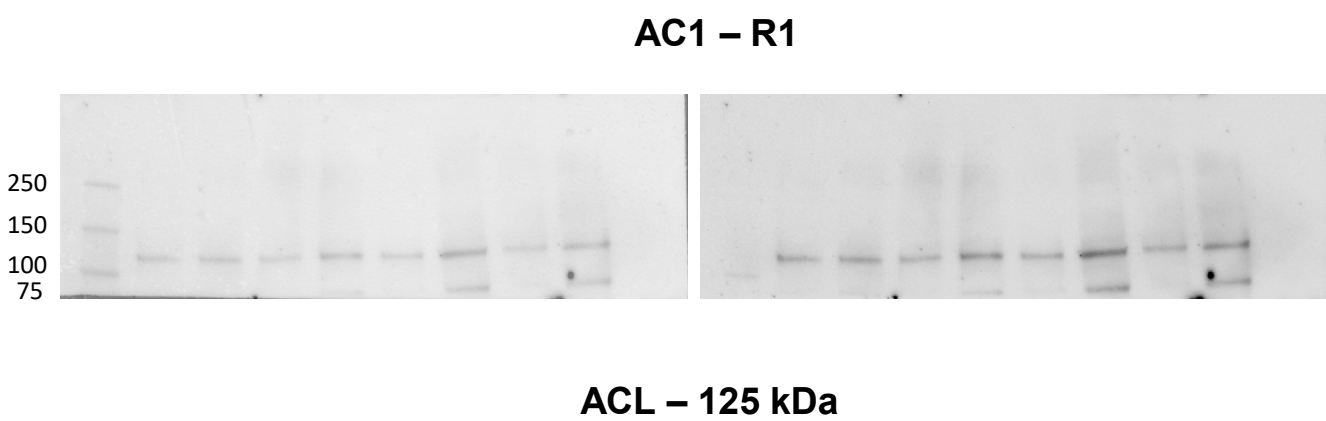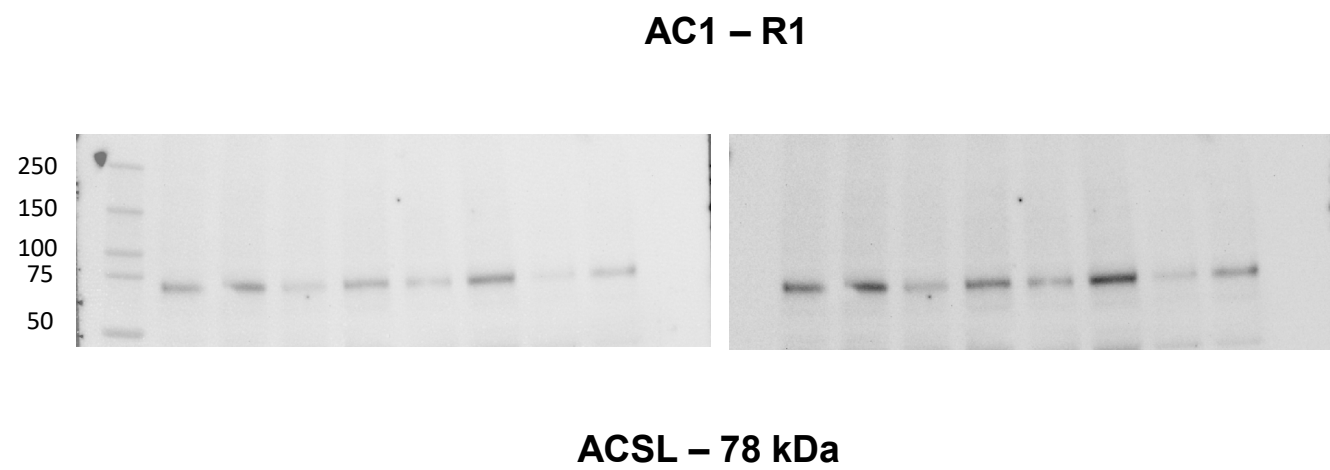
# Western Blots

# Adolescent cortex (AC) - AC1

- 8 gels/blots
  - 4 normal run time
  - 4 extended run/separation
- Same loading
- Homogenate from rt. cortex

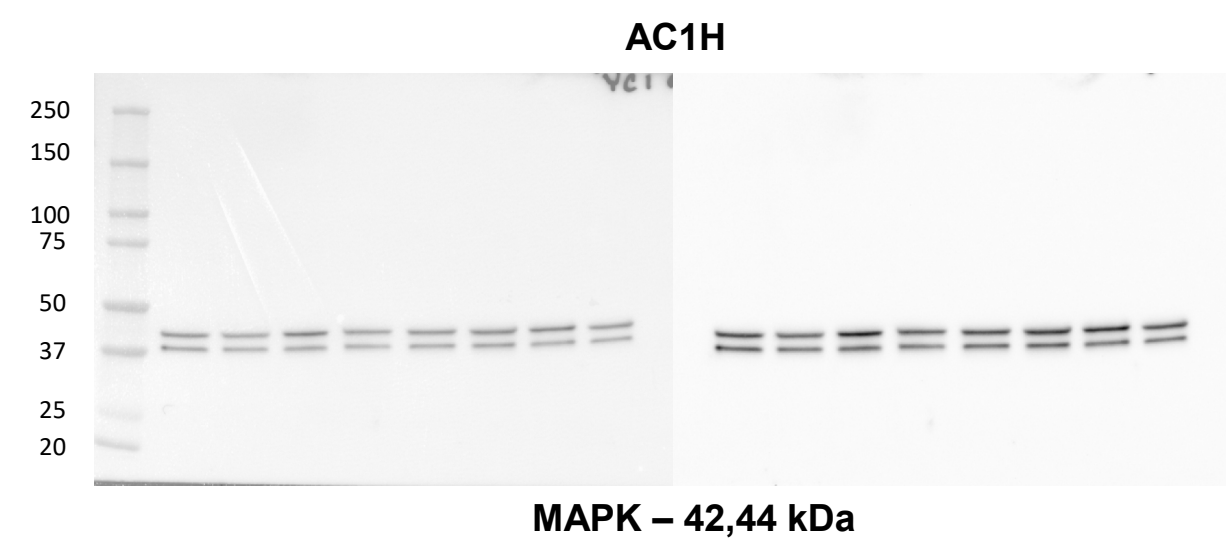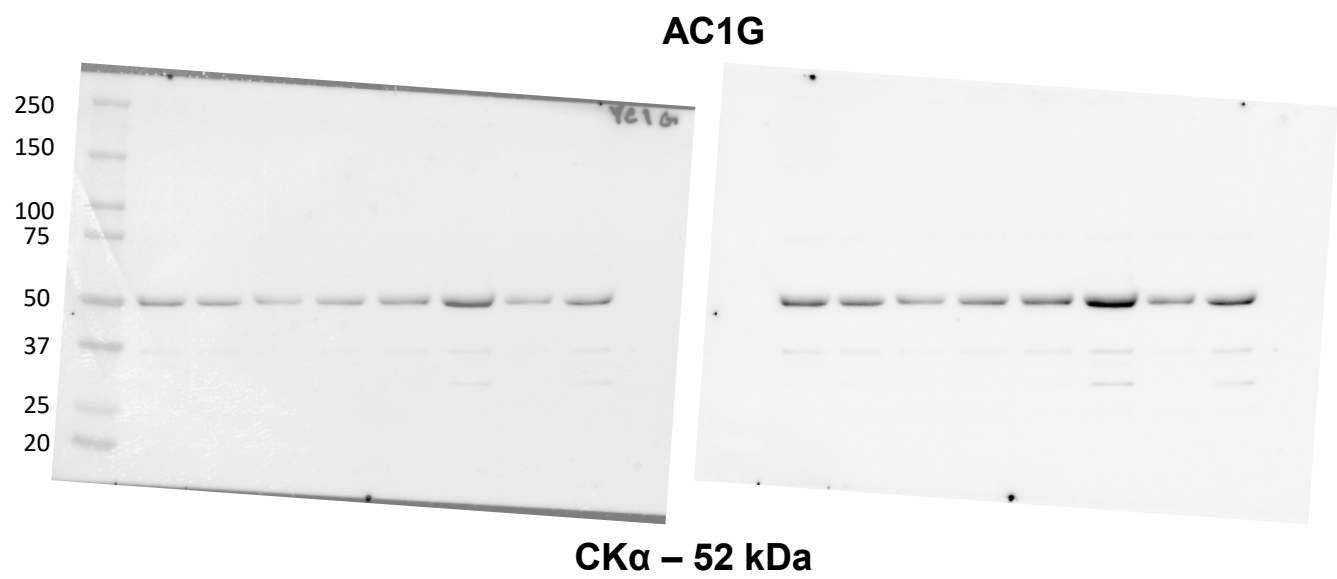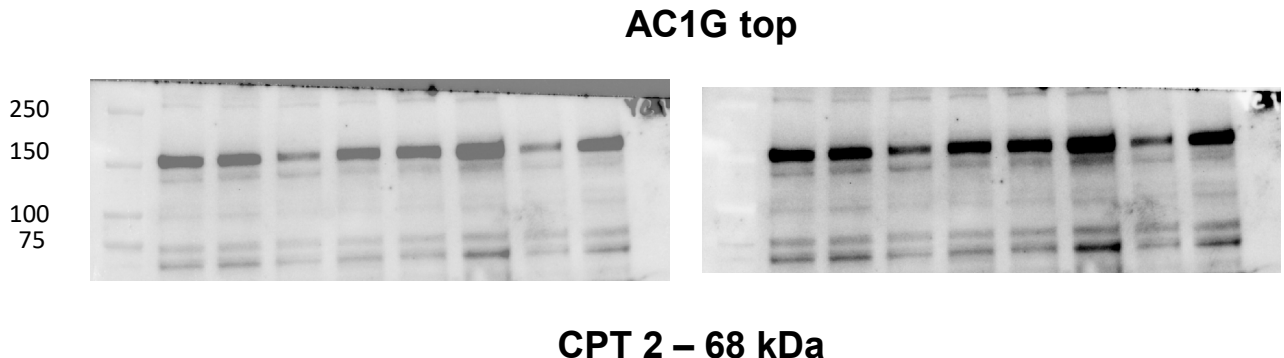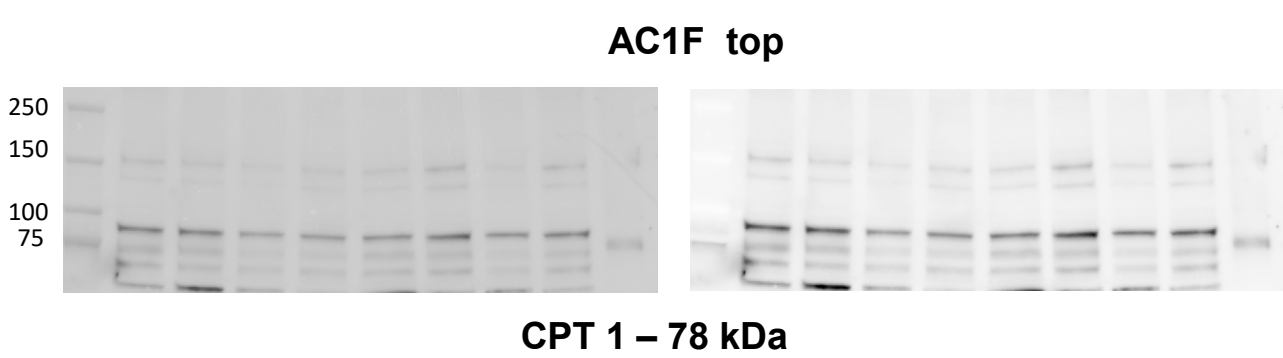| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|----|
| Dual color standard | S1 | N1 | OC1 | NOC1 | S2 | N2 | OC2 | NOC2 | unstained |

## ALL SAMPLES

- 40ug protein loaded per lane
- Adolescent Female rat cortex tissue

# AC1

**AC1F top**



**CPT 1 – 78 kDa**

**AC1G top**



**CPT 2 – 68 kDa**

**AC1G**



**CKα – 52 kDa**

**AC1H**



**MAPK – 42,44 kDa**

**AC1C bottom**



**CCTβ (PCYT1B) – 42 kDa**

**AC1 – R1**



**ACSL – 78 kDa**

**AC1 – R1**



**ACL – 125 kDa**

**AC1 – R1**



**FASN – 273 kDa**
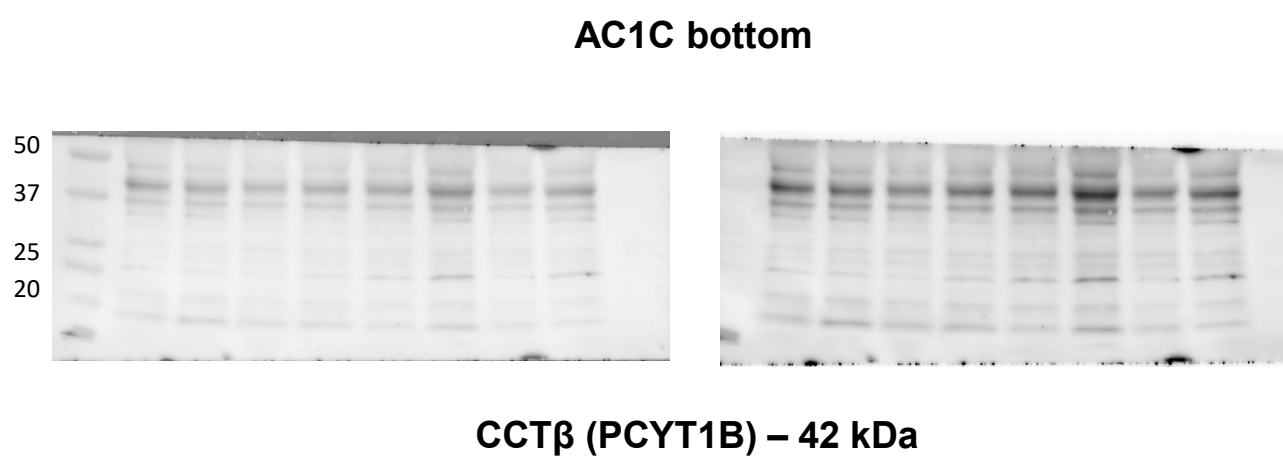
# AC1 – β-actin Blots

### AC1F



### AC1C



### AC1G



### AC1H



### AC1 – R1



**β-Actin – 42 kDa**

# Adolescent cortex (AC) – AC2

- 8 gels/blots
    - 4 normal run time
    - 4 extended run/separation
- Same loading
- Homogenate from rt. cortex

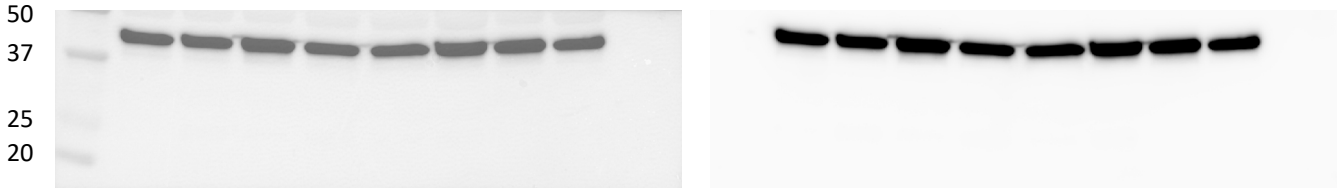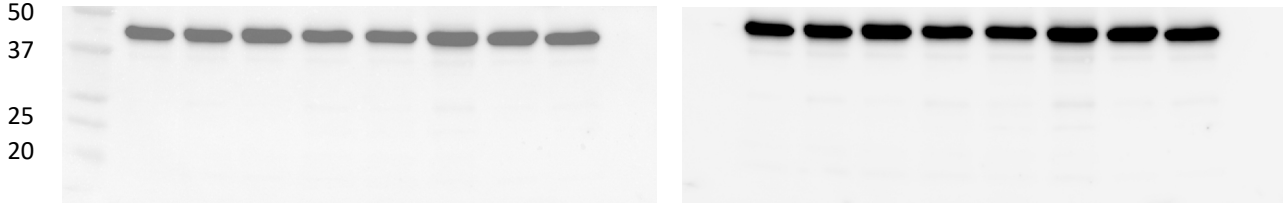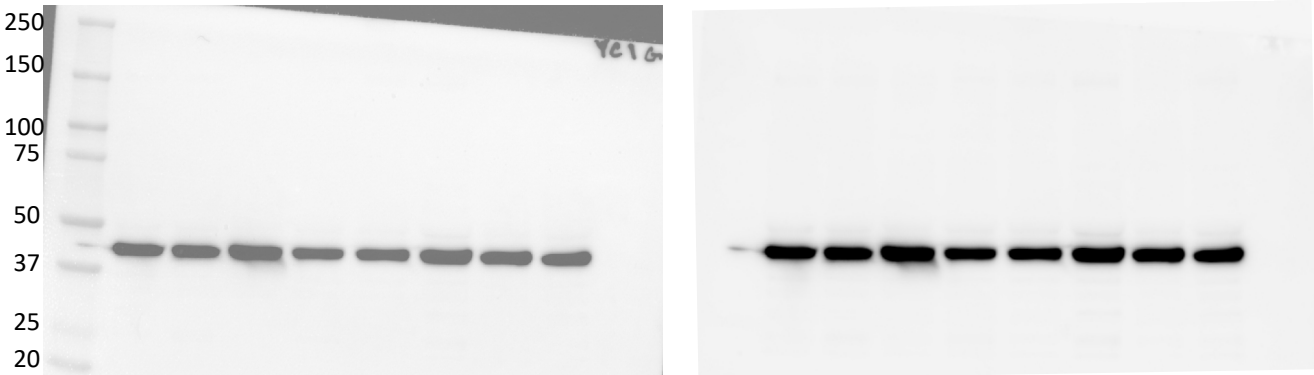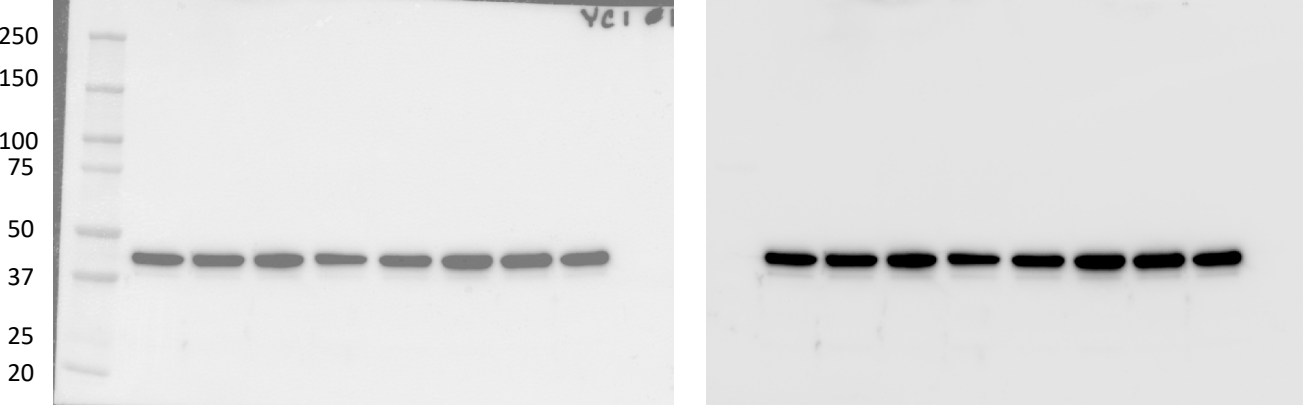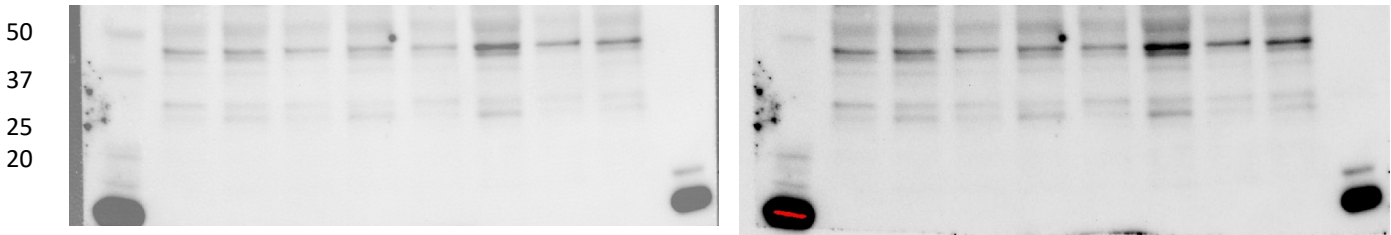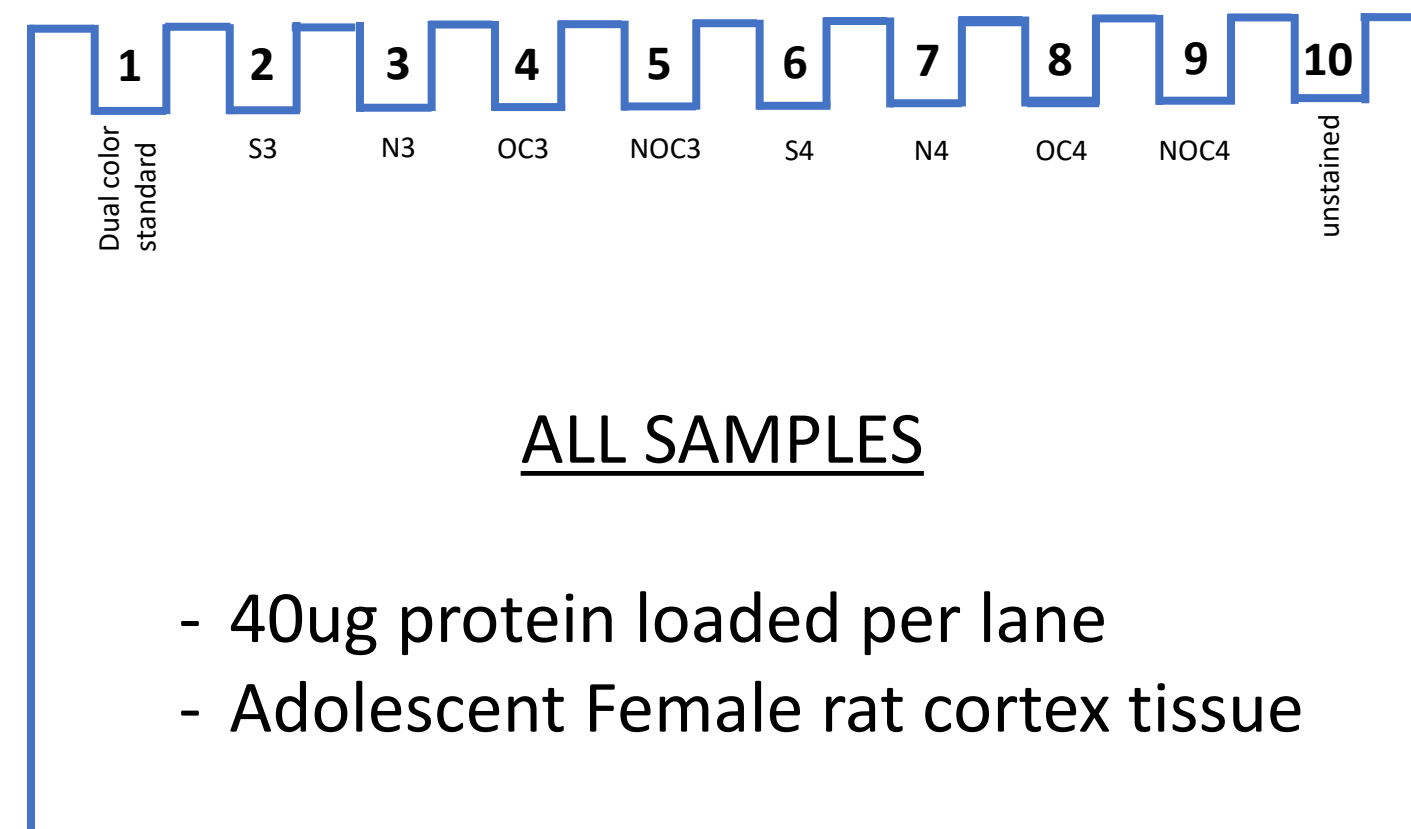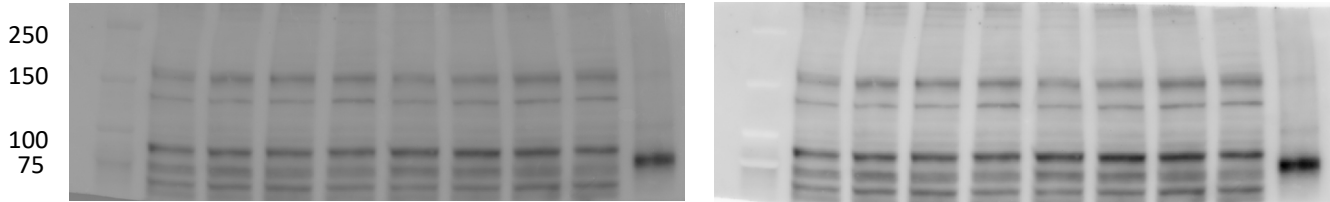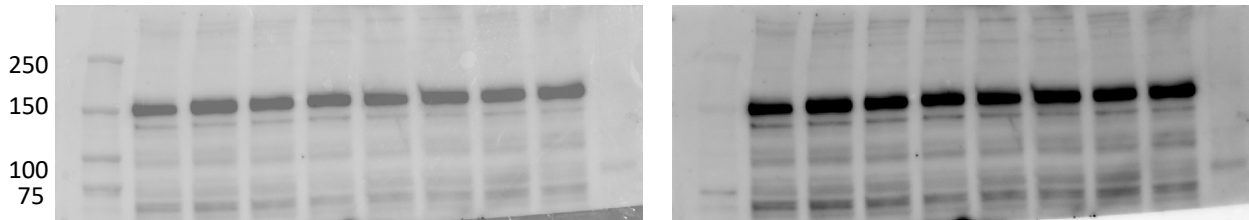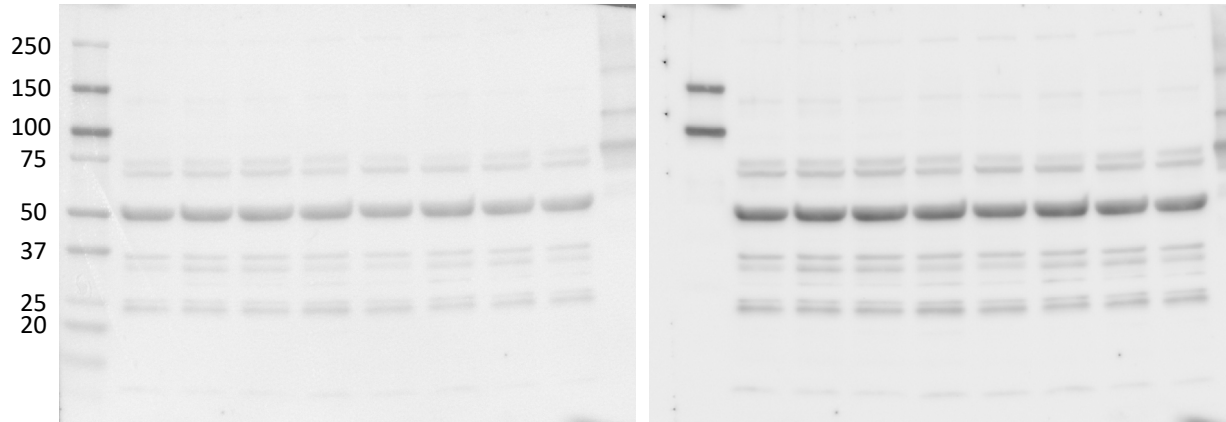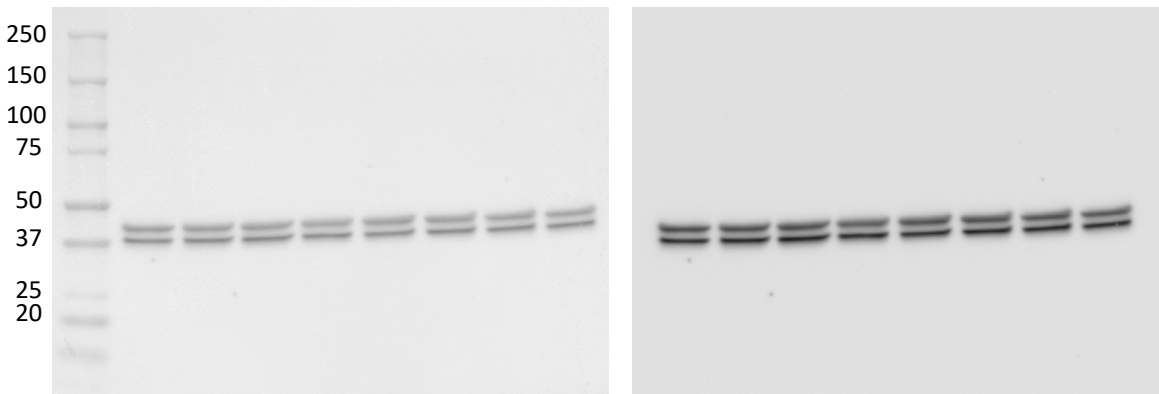| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|----|
| Dual color standard | S3 | N3 | OC3 | NOC3 | S4 | N4 | OC4 | NOC4 | unstained |

## ALL SAMPLES

- 40ug protein loaded per lane
- Adolescent Female rat cortex tissue

AC2

**AC2F**



CPT 1 – 78 kDa

**AC2E**
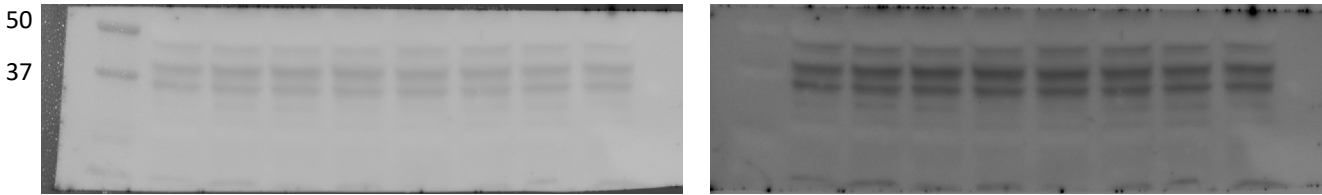


CPT 2 – 68 kDa

**AC2A**



CKα – 52 kDa

**AC2B**


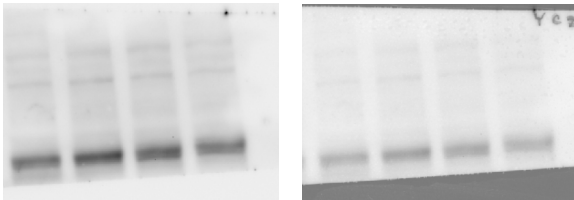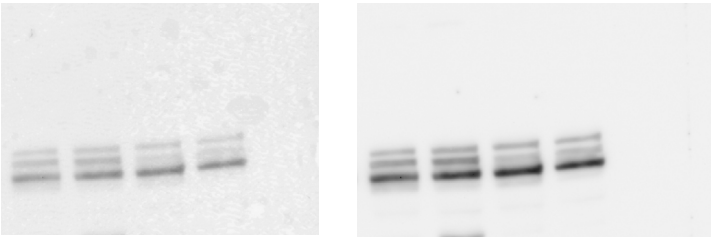
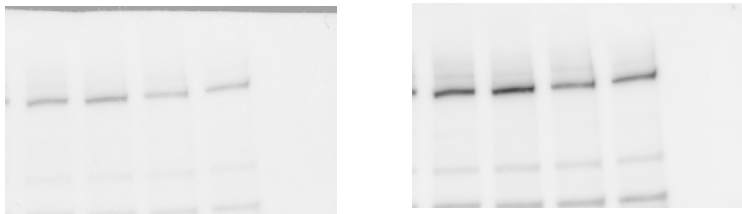MAPK – 42,44 kDa

**AC2H**



CCTβ (PCYT1B) – 42 kDa

**AC2h – R2**



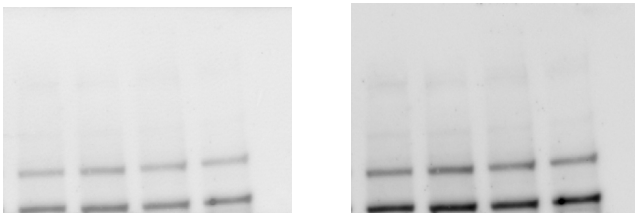ACSL – 78 kDa
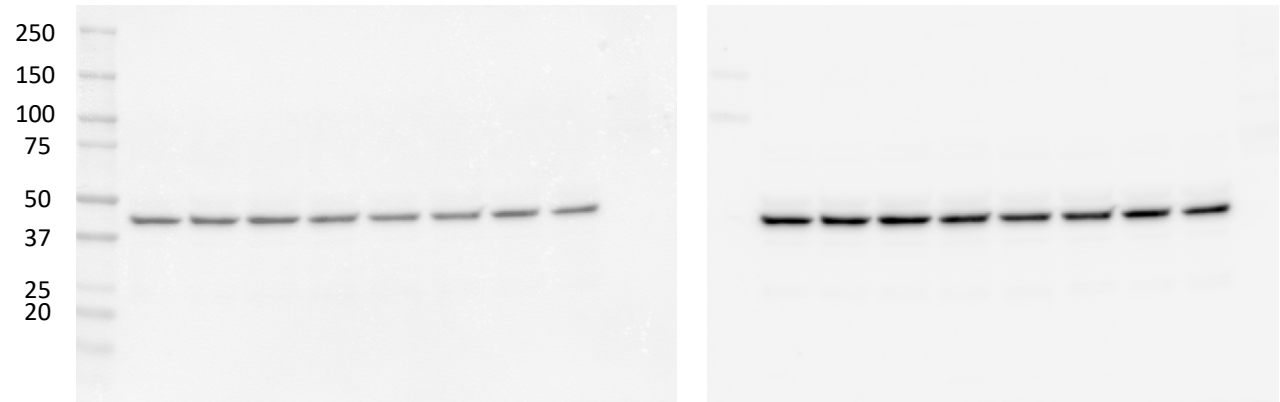
**AC2 – R1**
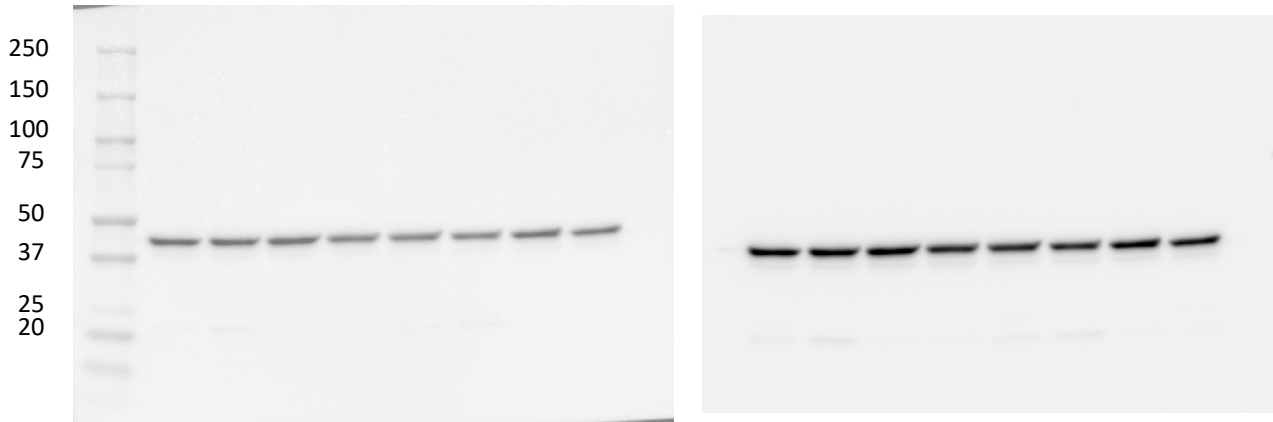


MLCD – 55 kDa

**AC2 – R1**



FASN – 273 kDa

**AC2 – R1**
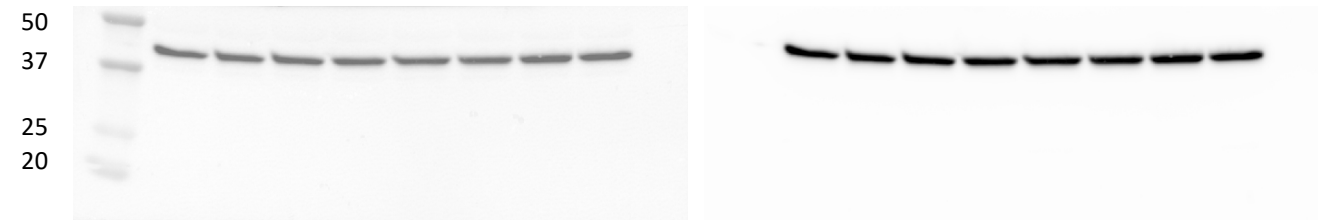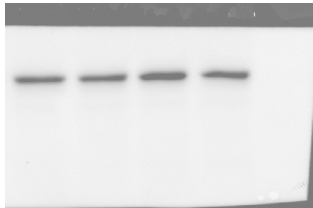


ACL – 125 kDa

# AC2 – β-actin Blots

### AC2A
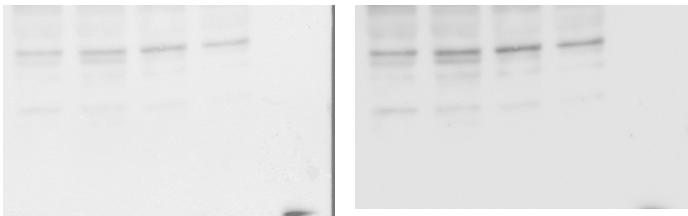


### AC2B



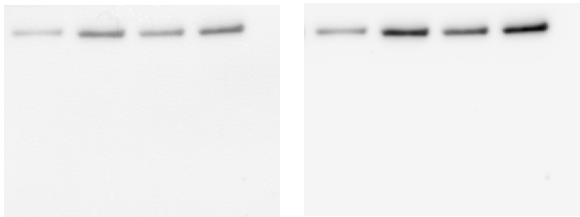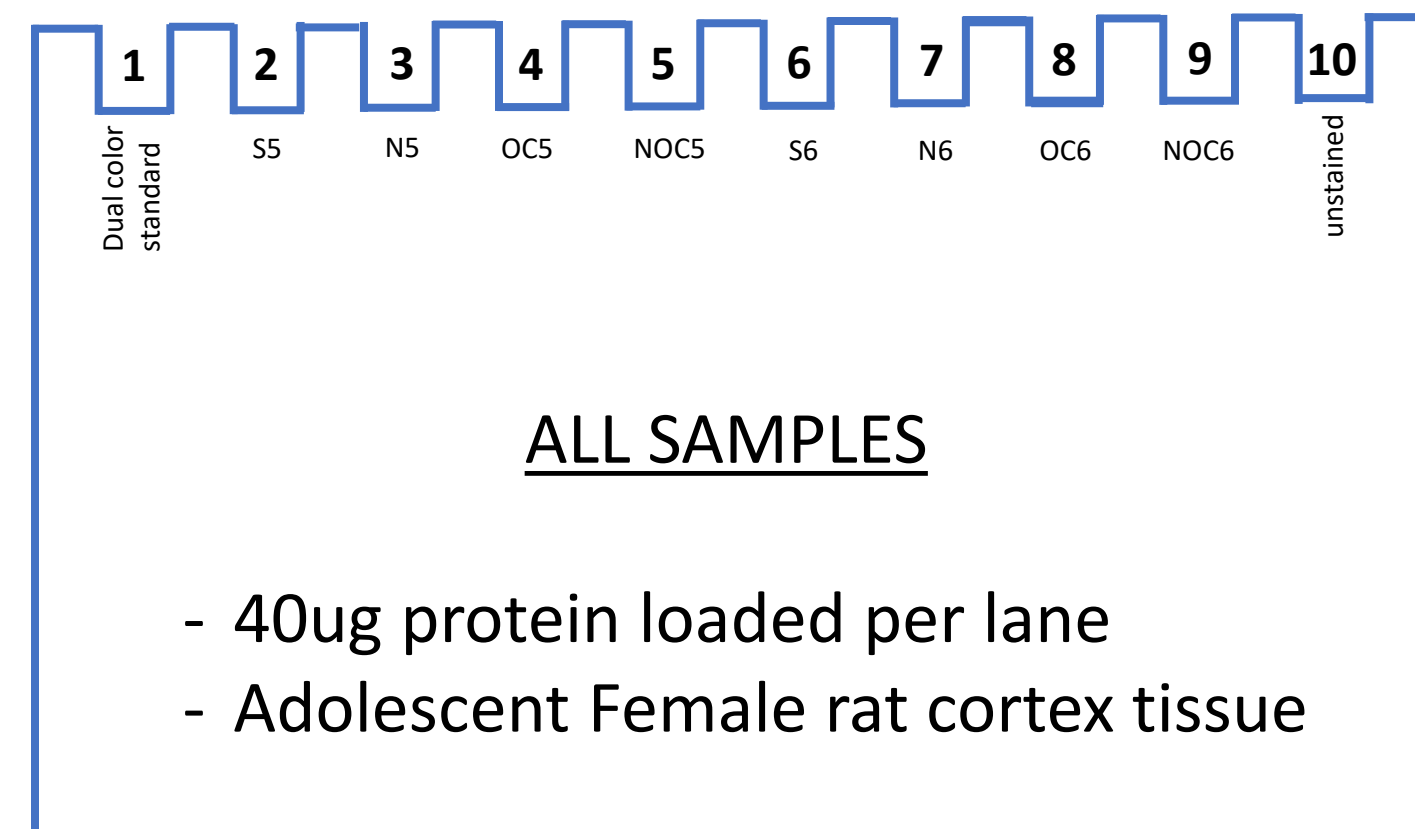### AC2E
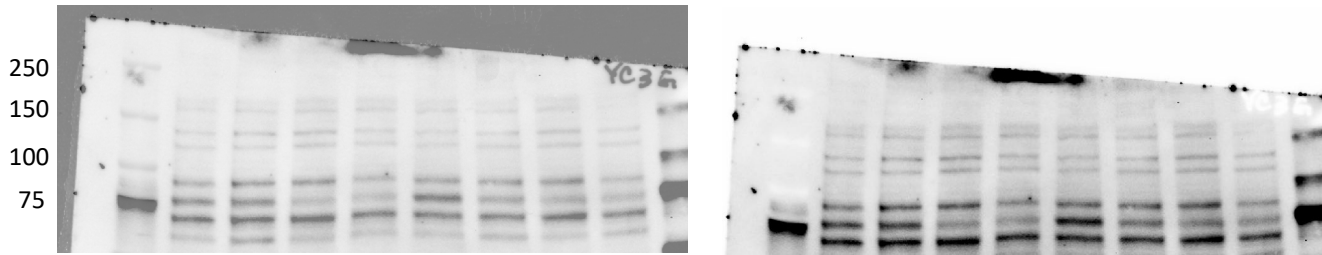


### AC2F



### AC2H



### AC2 – R1



### AC2 – R2

# Adolescent cortex (AC) – AC3

- 8 gels/blots
  - 4 normal run time
  - 4 extended run/separation
- Same loading
- Homogenate from rt. cortex
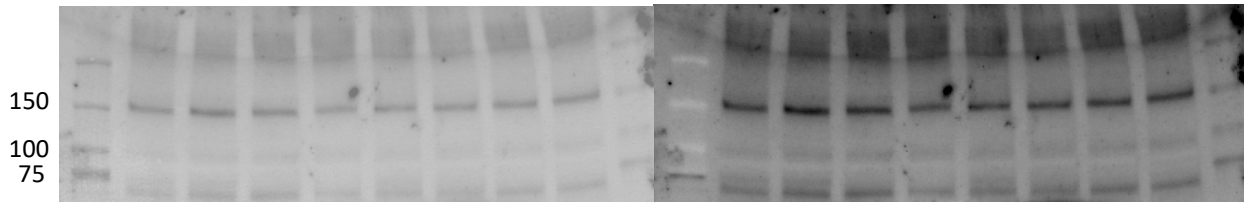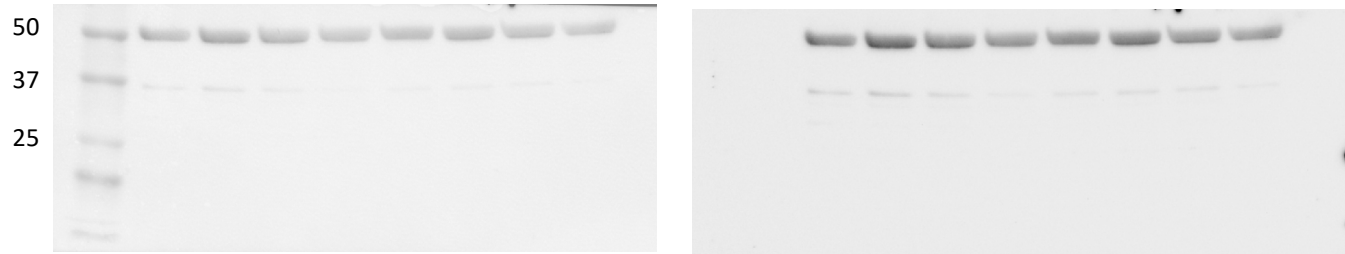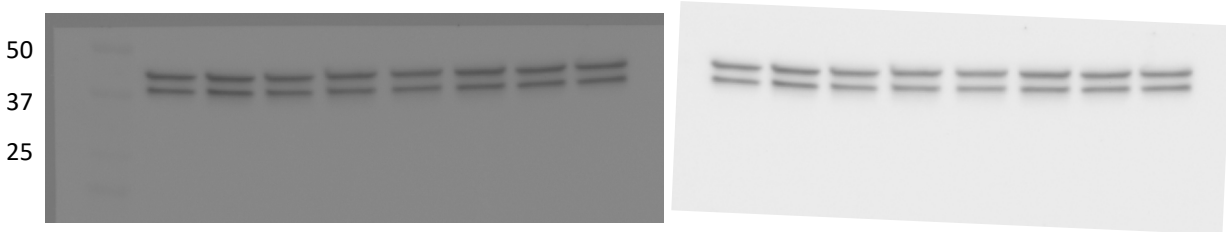
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|----|
| Dual color standard | S5 | N5 | OC5 | NOC5 | S6 | N6 | OC6 | NOC6 | unstained |

## ALL SAMPLES

- 40ug protein loaded per lane
- Adolescent Female rat cortex tissue

AC3

**AC3G**



**CPT 1 – 78 kDa**

**AC3N top**



**CPT 2 – 68 kDa**

**AC3E bottom**



**CKα – 52 kDa**

**AC3F bottom**



**MAPK – 42,44 kDa**

**AC3Nb**
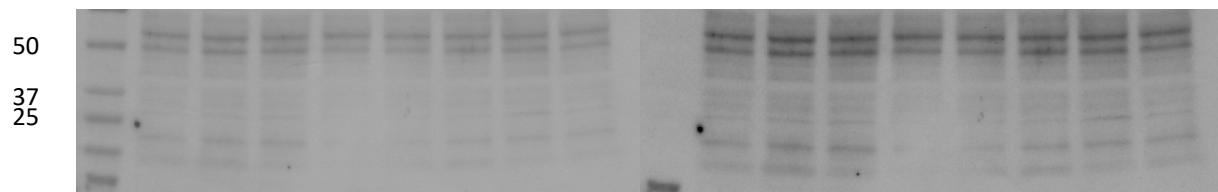


**CCTβ (PCYT1B) – 42 kDa**

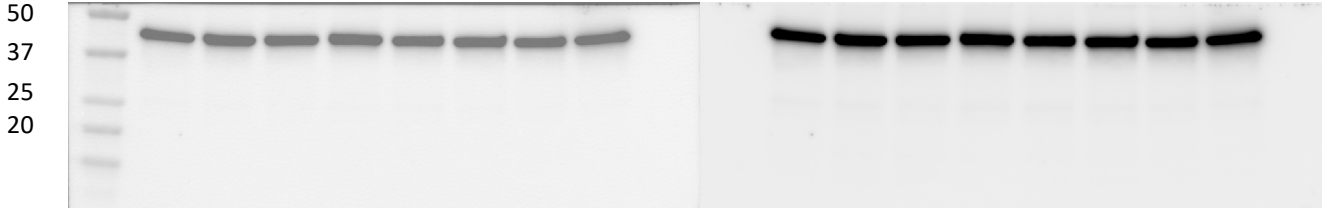# AC3 – β-actin Blots
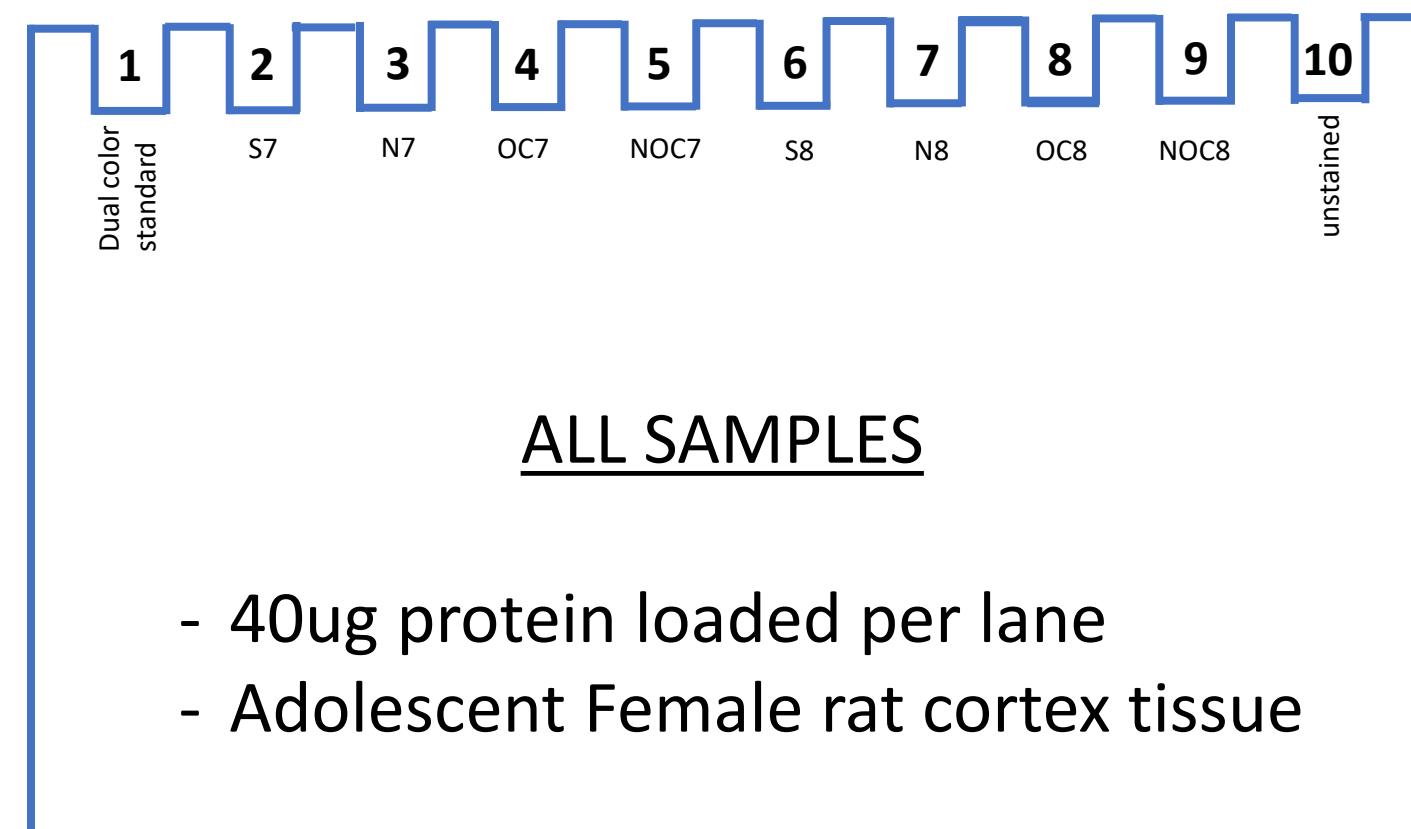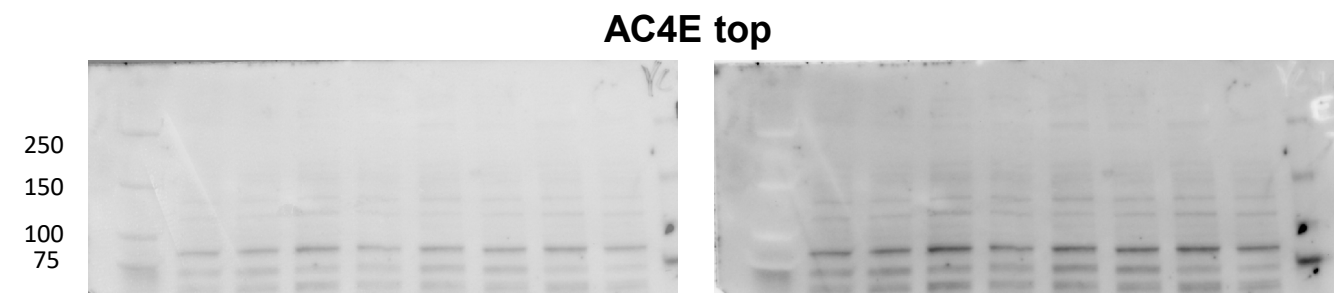


**AC3E**
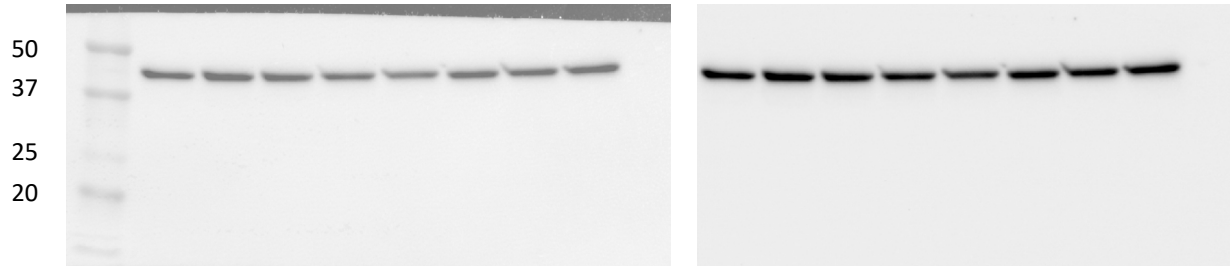
**AC3F**
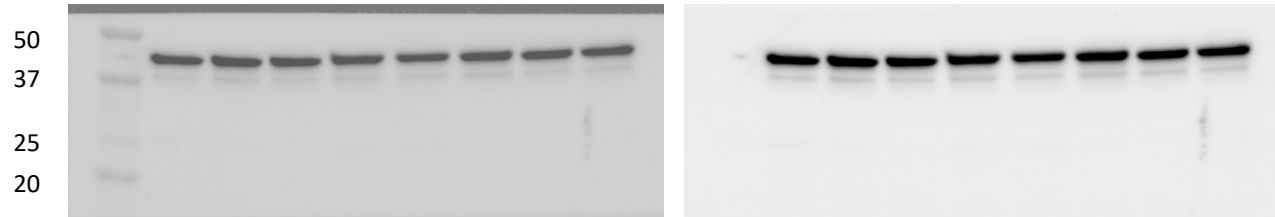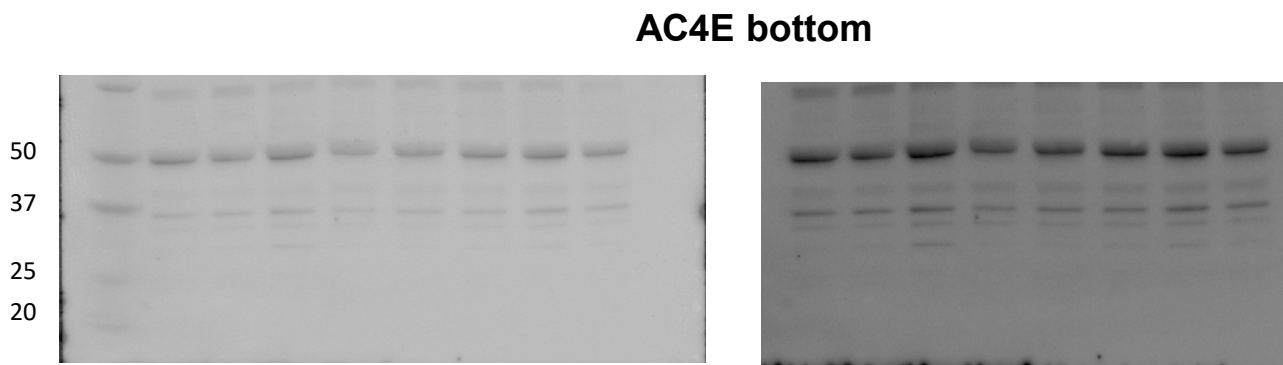
**AC3D**
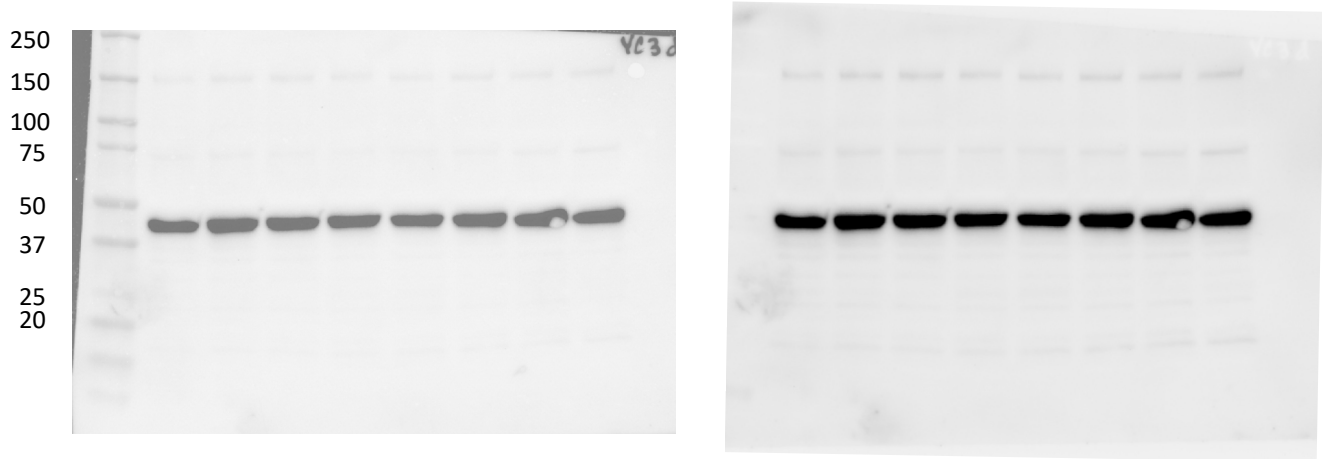
**AC3G**
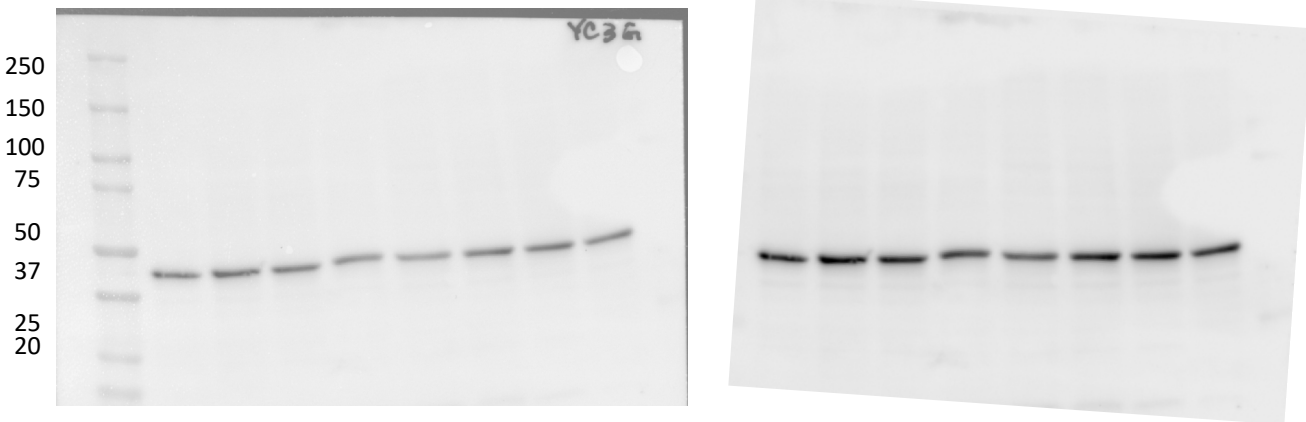
**AC3N**

# Adolescent cortex (AC) – AC4

- 8 gels/blots
  - 4 normal run time
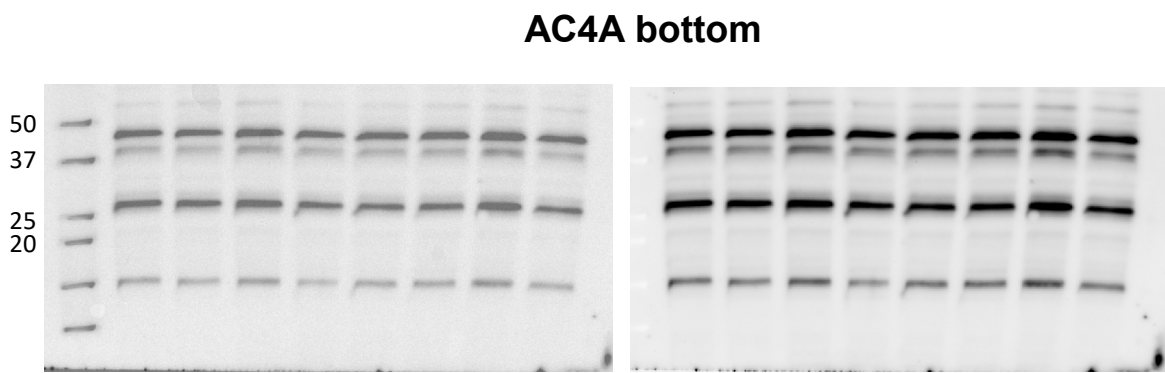  - 4 extended run/separation
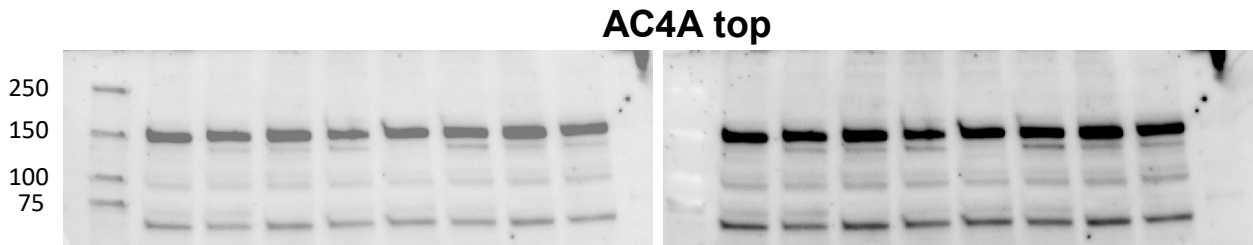- Same loading
- Homogenate from rt. cortex

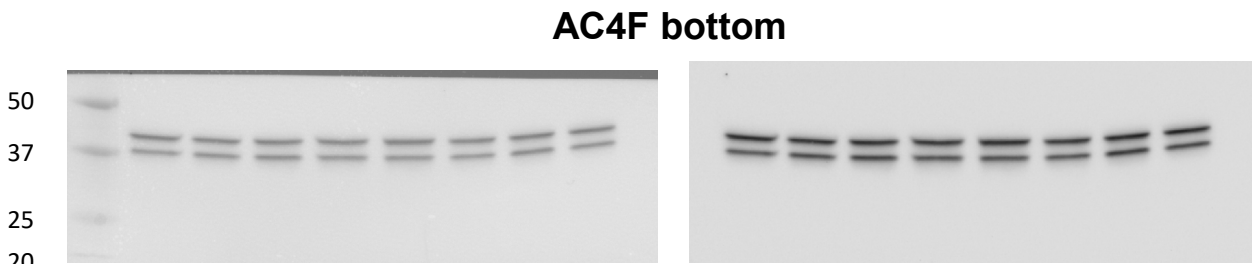| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|
| Dual color standard | S7 | N7 | OC7 | NOC7 | S8 | N8 | OC8 | NOC8 | unstained |

## ALL SAMPLES

- 40ug protein loaded per lane
- Adolescent Female rat cortex tissue

AC4

**AC4E top**

250
150
100
75

CPT 1 – 78 kDa

**AC4A top**

250
150
100
75

CPT 2 – 68 kDa

**AC4E bottom**

50
37
25
20

CKα – 52 kDa

**AC4F bottom**

50
37
25
20

MAPK – 42,44 kDa

**AC4A bottom**

50
37
25
20

CCTβ (PCYT1B) – 42 kDa

**AC4L – R3**

ACSL – 78 kDa

**AC4bb – R1**

MLCD – 55 kDa

**AC4bb – R1**

FASN – 273 kDa

**YC4 – R2**
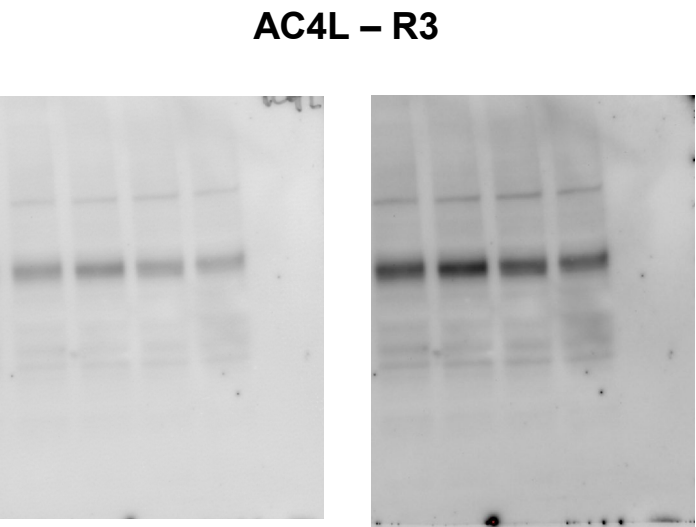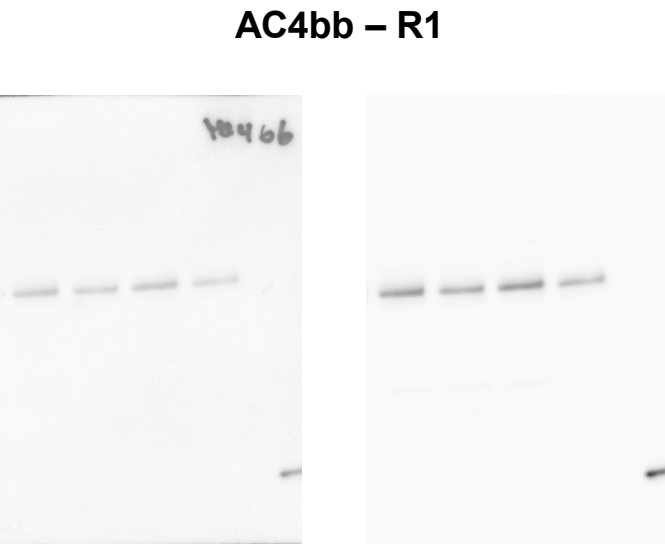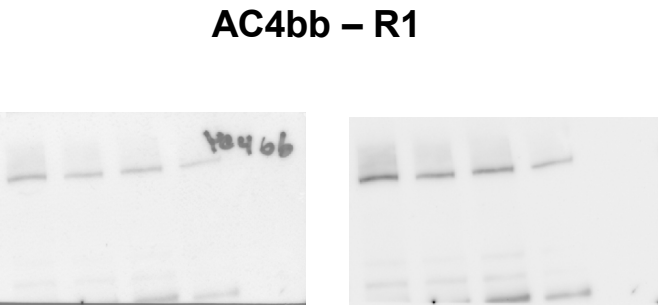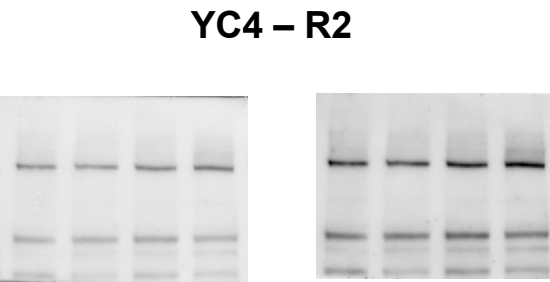
ACL – 125 kDa

# AC4 − β-actin Blots

**AC4A**
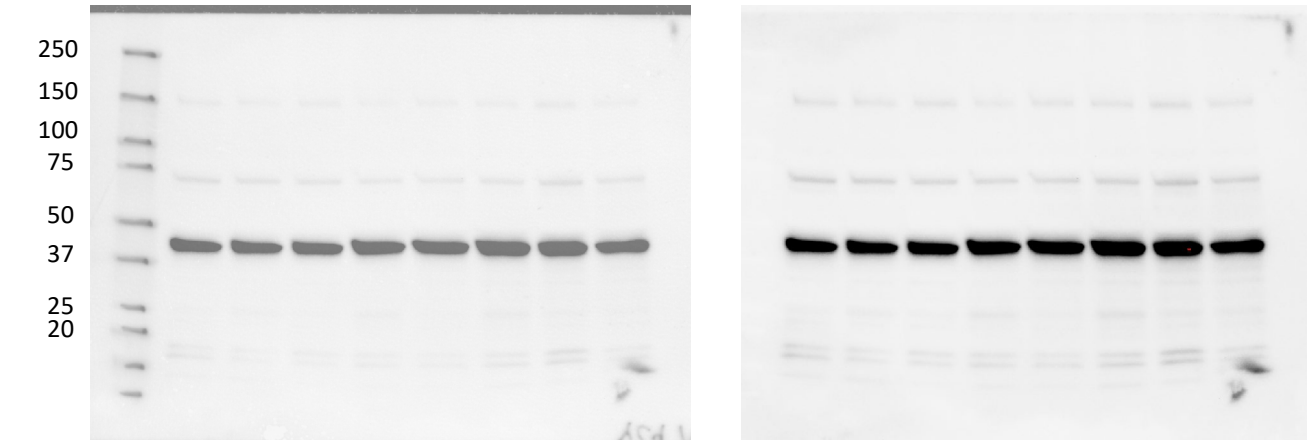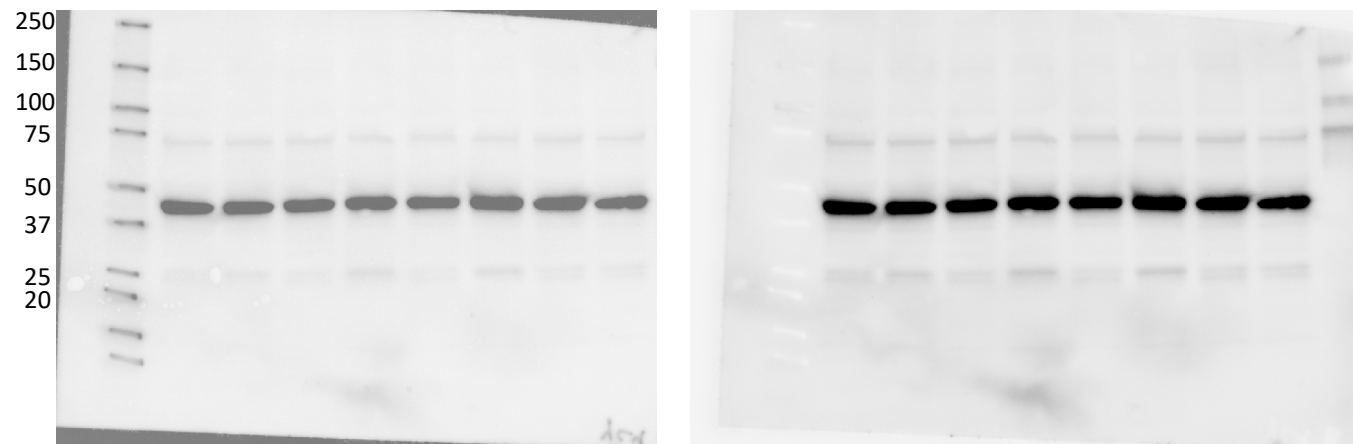


**AC4B**



**AC4G**
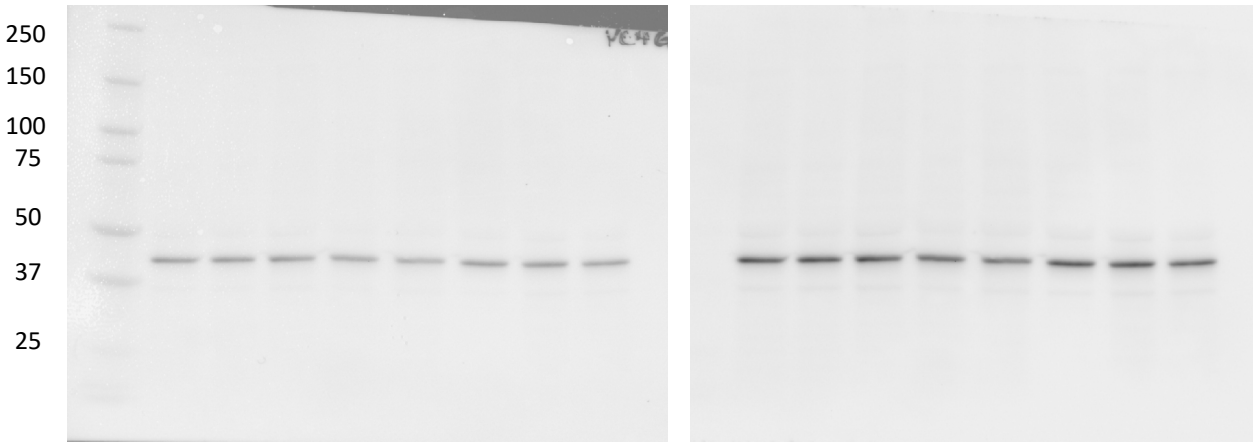


**AC4E**
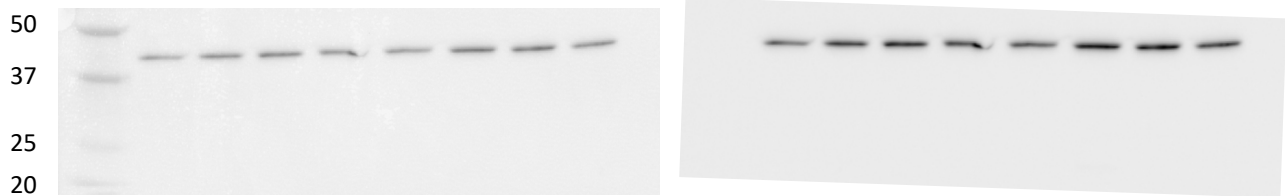


**AC4F**



**AC4L − R3**



**AC4bb − R1**



**AC4 − R2**