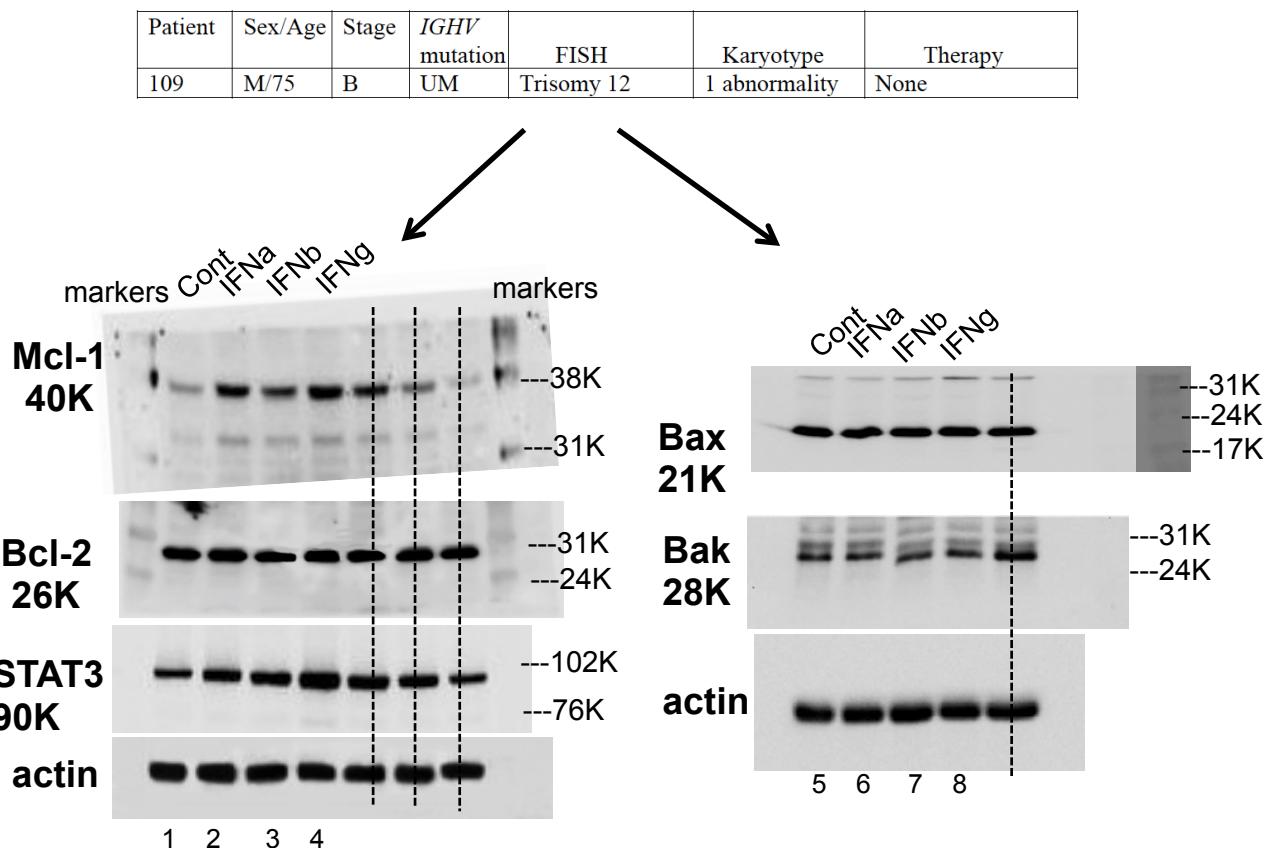


Supplemental File Figure S1. Whole blots relative to the Western Blotting analyses

For Figure 2.A

Cell lysates from Patient 109: 2 Western Blots



| lane | 1 control | 2 + IFNa | 3 + IFNb | 4 + IFNg |
|-------------|-----------|----------|----------|----------|
| Mcl-1/actin | 1 | 2.2 | 1.7 | 2.8 |
| Bcl-2/actin | 1 | 1.0 | 0.8 | 0.9 |
| STAT3/actin | 1 | 1.3 | 1.5 | 2.2 |

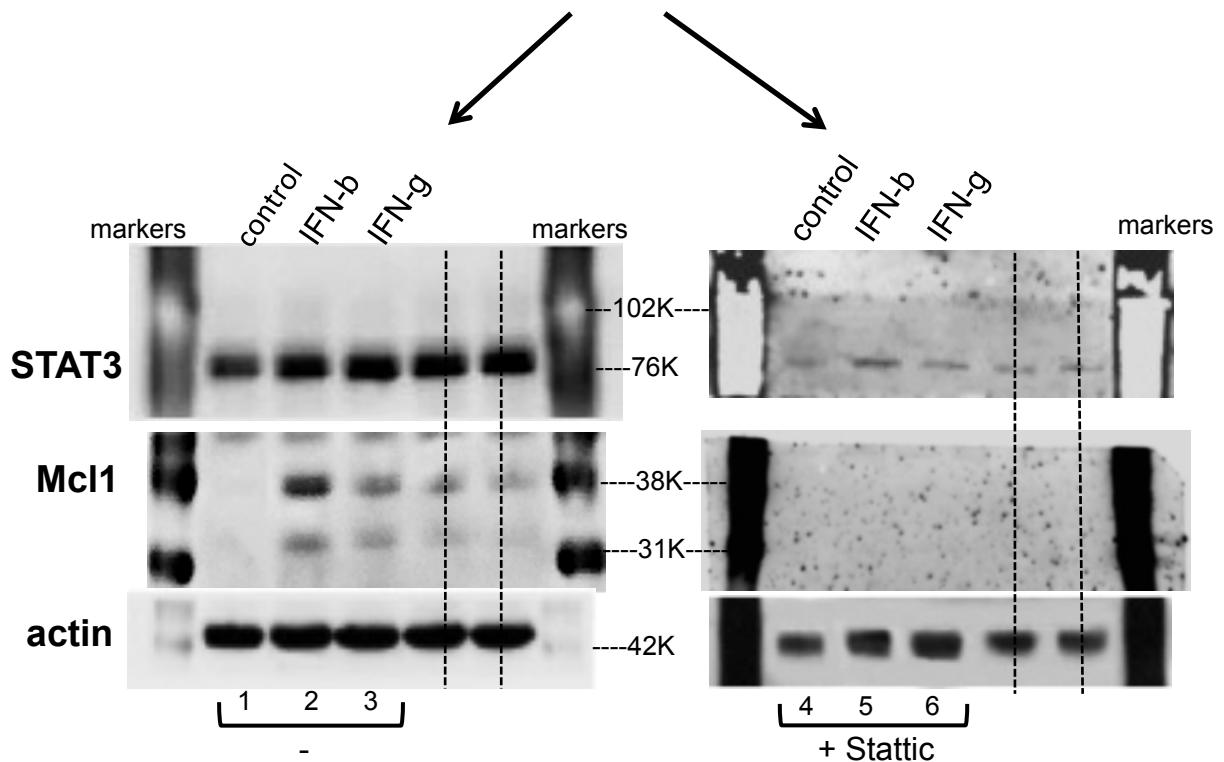
| lane | 5 control | 6 + IFNa | 7 + IFNb | 8 + IFNg |
|-----------|-----------|----------|----------|----------|
| Bax/actin | 1 | 1.1 | 1.1 | 1.2 |
| Bak/actin | 1 | 1.1 | 1.0 | 1.1 |

Control ratios were set to 1.0 to allow comparison between groups.

For Figure 2E

Cell lysates from Patient 126 : 2 Western Blots

| Patient | Sex/Age | Stage | <i>IGHV</i> mutation | FISH | Karyotype | Therapy |
|---------|---------|-------|----------------------|------|-----------------|---------|
| 126 | M/76 | C | ND | 13q- | 2 abnormalities | None |



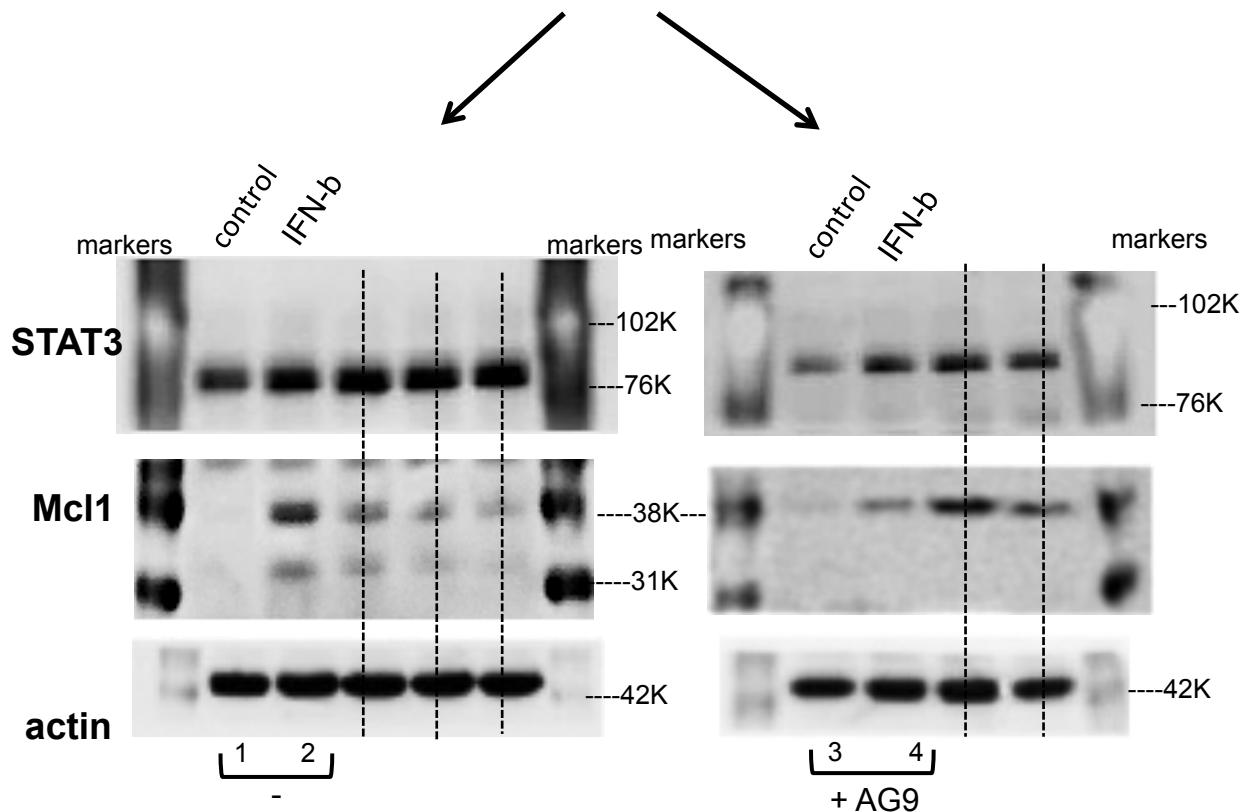
| lane | 1 control | 2 + IFNb | 3 + IFNg | 4 control + Stattic | 5 IFNb + Stattic | 6 IFNg + Stattic |
|--------------|-----------|----------|----------|---------------------|------------------|------------------|
| STAT3 /actin | 1 | 2.2 | 2.3 | 1 | 1.3 | 1.1 |
| Mcl-1/actin | 1 | 9.0 | 5.3 | --- | --- | --- |

Control ratios were set to 1.0 to allow comparison between groups.

For Figure 3B

Cell lysates from Patient 126 : 2 Western Blots

| Patient | Sex/Age | Stage | <i>IGHV</i> mutation | FISH | Karyotype | Therapy |
|---------|---------|-------|----------------------|------|-----------------|---------|
| 126 | M/76 | C | ND | 13q- | 2 abnormalities | None |



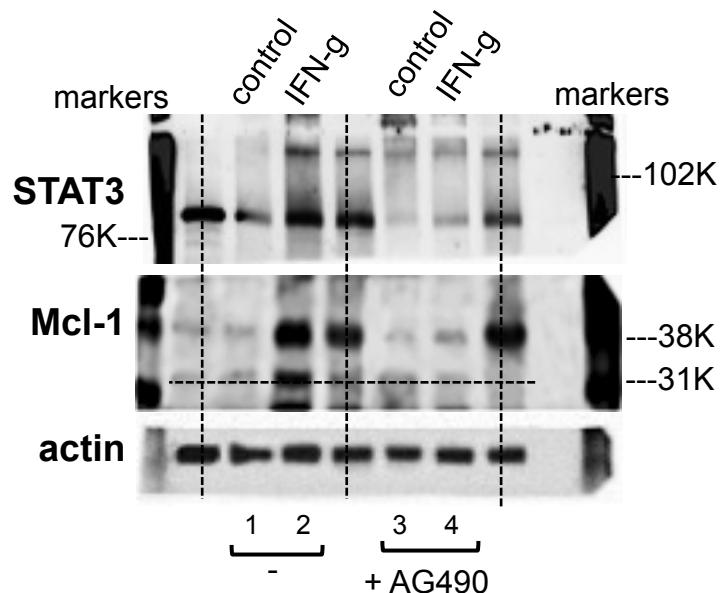
| Lane | 1 control | 2 + IFNb | 3 control + AG9 | 4 IFNb + AG9 |
|-------------|-----------|----------|-----------------|--------------|
| STAT3/actin | 1 | 2.2 | 1.0 | 1.5 |
| Mcl1/actin | 1 | 9.0 | 1.0 | 1.9 |

Control ratios were set to 1.0 to allow comparison between groups.

For Figure 3D

Cell lysates from Patient 128 : 1 Western Blot

| Patient | Sex/Age | Stage | <i>IGHV</i> mutation | FISH | Karyotype | Therapy |
|---------|---------|-------|----------------------|------------|-----------------|---------|
| 128 | M/71 | A | M | Trisomy 12 | 2 abnormalities | None |



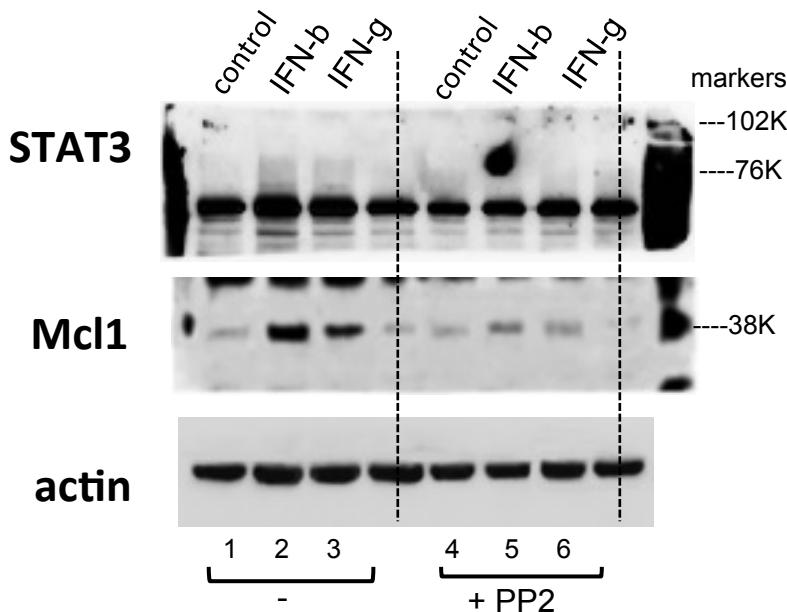
| Lane | 1 control | 2 + IFNg | 3 control + AG490 | 4 IFNg + AG490 |
|-------------|-----------|----------|-------------------|----------------|
| STAT3/actin | 1 | 2.0 | 1.0 | 1.3 |
| Mcl1/actin | 1 | 6.2 | 1.0 | 1.8 |

Control ratios were set to 1.0 to allow comparison between groups.

For Figure 3F

Cell lysates from Patient 127 : 1 Western Blot

| Patient | Sex/Age | Stage | <i>IGHV</i> mutation | FISH | Karyotype | Therapy |
|---------|---------|-------|----------------------|--------|-----------|---------|
| 127 | M/62 | A | ND | Normal | Normal | None |



| Lane | 1 control | 2 + IFNb | 3 + IFNg | 4 control + PP2 | 5 IFNb + PP2 | 6 IFNg + PP2 |
|-------------|-----------|----------|----------|-----------------|--------------|--------------|
| STAT3/actin | 1 | 1.6 | 1.6 | 1 | 1.2 | 1.1 |
| Mcl-1/actin | 1 | 5.8 | 3.2 | 1 | 2.0 | 1.6 |

Control ratios were set to 1.0 to allow comparison between groups.