

# High-Intensity Exercise Training Alters the Effect of N-Acetylcysteine on Exercise-Related Muscle Ionic Shifts in Men

Anders K. Lemminger <sup>†</sup>, Matteo Fiorenza <sup>†</sup>, Kasper Eibye, Jens Bangsbo and Morten Hostrup <sup>\*</sup>

The August Krogh Section for Human Physiology, Department of Nutrition, Exercise and Sports, University of Copenhagen, 1165 Copenhagen, Denmark

<sup>\*</sup> Correspondence: mhostrup@nexs.ku.dk

<sup>†</sup> These authors contributed equally to this work.

**Table S1. Primary antibodies used for western blotting.**

Protein Target	Ab. cat. Number or Name	Company or Donor	Antibody Solution	Protein Loading Amount	Gel Type	Dilution
NKA- $\alpha_1$	$\alpha$ 6F	DSHB	3% BSA	9 $\mu$ g	4-15%	1:500
NKA- $\alpha_2$	07-674	Millipore	3% BSA	6 $\mu$ g	4-15%	1:500
NKA- $\beta_1$	MA3-930	Thermo Fischer Scientific	2% milk	6 $\mu$ g	4-15%	1:1000
FXYD1	13721-1AP	Proteintech	2% milk	9 $\mu$ g	4-15%	1:2500
Kir6.2	SC-11228	Santa Cruz Biotechnology	2% milk	12 $\mu$ g	4-15%	1:500
MCT1	SC-14916	Santa Cruz Biotechnology	3% BSA	12 $\mu$ g	4-15%	1:250
MCT4	AB3316P	Sigma-Aldrich	2% milk	12 $\mu$ g	4-15%	1:1000
NHE1	MAB3140	Millipore	3% BSA	12 $\mu$ g	4-15%	1:500
SOD1	574597	Sigma-Aldrich	3% BSA	12 $\mu$ g	4-15%	1:1000
SOD2	06-984	Sigma-Aldrich	2% milk	12 $\mu$ g	4-15%	1:1000
Catalase	AB1877	Abcam	3% BSA	12 $\mu$ g	4-15%	1:5000
GPX1	AB22604	Abcam	3% BSA	12 $\mu$ g	4-15%	1:1000
FXYD1 unphosphorylated	AB_FXYD1-C2	Dr. J. Randall Moorman, University of Virginia	2% milk	12 $\mu$ g	4-15%	1:5000

NKA, Na<sup>+</sup>/K<sup>+</sup>-ATPase; FXYD1, regulatory subunit of NKA; Kir6.2, ATP-sensitive K<sup>+</sup>-channel subunit Kir6.2; MCT, monocarboxylate transporter; NHE1, Na<sup>+</sup>/H<sup>+</sup> exchanger; SOD, superoxide dismutase; GPX, glutathione peroxidase; BSA, bovine serum albumin.