

Supplementary Table 1. List of antibodies used in studies for immunohistochemistry, immunofluorescence and western blot.

PRIMARY ANTIBODY	CLONALITY	HOST	DILUTION	REFERENCE	TECHNIQUE
Dystrophin (Dys1) Rod domain	MAb	Mouse	1/100	NCL-DYS1, Novocastra, Leica Biosystems, Newcastle, UK	Immunohistochemistry Immunofluorescence
Dystrophin 2 (Dys2) C terminal	MAb	Mouse	1/10	NCL-DYS2, Novocastra, Leica Biosystems, Newcastle, UK	Immunohistochemistry Immunofluorescence
Dystrophin 3 (dys3) N terminal	MAb	Mouse	1/10	NCL-DYS3, Novocastra, Leica Biosystems, Newcastle, UK	Immunohistochemistry Immunofluorescence
Beta Spectrin	MAb	Mouse	1/50	NCL- SEPC1, Novocastra, Leica Biosystems, Newcastle, UK	Immunohistochemistry Immunofluorescence
Utrophin	MAb	Mouse	1/500	Novocastra, NCL-DRP2, Leica Biosystems, Newcastle, UK	Immunohistochemistry
Alpha sarcoglycan	MAb	Mouse	1/50	Novocastra, NCL-L-a-SARC, Leica Biosystems, Newcastle, UK	Immunofluorescence
Beta Sarcoglycan	MAb	Mouse	1/20	Novocastra, NCL-L-b-SARC Leica Biosystems, Newcastle, UK	Immunofluorescence
Delta Sarcoglycan	MAb	Mouse	1/20	Novocastra, NCL-L-d-SARC Leica Biosystems, Newcastle, UK	Immunofluorescence
Gamma Sarcoglycan	MAb	Mouse	1/100	Novocastra, NCL-L-g-SARC Leica Biosystems, Newcastle, UK	Immunofluorescence
Alpha dystroglycan (VIA4)	MAb	Mouse	1/10	Merck Millipore 05-298, Burlington, MA, USA	Immunofluorescence/ Western Blot
Alpha dystroglycan (2H6)	MAb	Mouse	1/10	Merck Millipore 05-593, Burlington, MA, USA	Immunofluorescence/ Western Blot
Beta dystroglycan	MAb	Mouse	1/200	Novocastra, NCL-b-DG, Leica Biosystems, Newcastle, UK	Immunofluorescence
Alpha tubulin	Mab	Mouse	1/1000	Sigma Aldrich, T6199, USA	Western Blot
Myosin Heavy Chain fast	MAb	Mouse	1/50	Novocastra, Leica Biosystems, Newcastle, UK	Immunohistochemistry immunofluorescence
Myosin Heavy Chain slow	MAb	Mouse	1/50	Novocastra, Leica Biosystems, Newcastle, UK	Immunohistochemistry
Myosin Heavy Chain neonatal	MAb	Mouse	1/20	Novocastra, Leica Biosystems, Newcastle, UK	Immunohistochemistry
Myosin Heavy Chain slow	PAb	Rabbit	1/200	Invitrogen, PA5-34340	Immunofluorescence
TRAPPC11 (C4ORF41)	PAb	Rabbit	1/200	Invitrogen, PA5-71454	Western Blot
SECONDARY ANTIBODY	CLONALITY	HOST	DILUTION	REFERENCE	TECHNIQUE
Donkey anti mouse 549	PAb	Donkey	1/500	Invitrogen, A21203	Immunofluorescence
Donkey anti mouse 549	PAb	Goat	1/500	Invitrogen, SA5-10152	Immunofluorescence
Donkey anti rabbit 549	PAb	Goat	1/500	Invitrogen, A21207	Immunofluorescence