

**Supplementary Table 1. List of primary antibodies used in this study.**

<b>Antibody/name</b>	<b>Dilution</b>	<b>Item no.</b>	<b>Company</b>	<b>Application</b>
Desmin	1:2000	Ab8592	AbCam	Western blot
CD82 (M35)	1:5000	ENH036	Kerafast	Western blot
CD82	1:100	Ab66400	AbCam	IF
PTEN	1:1000	9188	Cell Signaling	Western blot
pAKT(Ser473)	1:1000	4060	Cell Signaling	Western blot
AKT (total)	1:1000	2920	Cell Signaling	Western blot
mTOR2448	1:1000	5536	Cell Signaling	Western blot
mTOR (total)	1:1000	2972	Cell Signaling	Western blot
p-p70S6K	1:1000	9204	Cell Signaling	Western blot
p70S6K	1:1000	2708	Cell Signaling	Western blot
p4EBP1	1:1000	2855	Cell Signaling	Western blot
4EBP1 (total)	1:1000	9644	Cell Signaling	Western blot
MyoD	1:100	Sc-760 (M318)	Santa Cruz	IF
MyoD	1:100	G1 (sc377460)	Santa Cruz	IF
Ki67	1:500	9129S	CST	IF
H2A.X (S139)	1:400	2577S	CST	IF
Pax7	1:200	Concentrated supernatant	University of Iowa DSHB	IF
MF 20	1:50	Concentrated supernatant	University of Iowa DSHB	IF