

Supplement Table S1. Antibodies and gel details for Western blot analysis

Antibody	Vendor	Catalog no.	Dilution	Expected MW (KDa)	SDS-PAGE gel (%)	Protein loaded (µg)
Actin	CST	8457	1:10,000	45	10	50
DEPDC5	Abcam	Ab185565	1:4000	170-180	4-20% criterion	20
Folliculin	CST	3697	1:1000	70	6	90
GAPDH	CST	2118	1:10,000	37	12.5	25
GATOR1 (NPRL2)	CST	37344	1:1000	41	12.5	50
GATOR2 (Mios)	CST	13557	1:1000	98	10	50
GATSL3	SC	377385	1:1000	36	15	50
LAMTOR1	CST	8975	1:1000	18	15	50
LAMTOR2	CST	8145	1:1000	14	15	90
LAMTOR3	CST	8168	1:1000	14	15	90
LAT1	CST	5347	1:1000	39	15	50
mTOR total	CST	2972	1:1000	289	6	90
mTOR (S2448)	CST	2971	1:1000	289	6	90
NDRG1 (T346)	CST	5482	1:2000	46,48	10	50
Puromycin	Millipore	MABE343	1:4000	15-250	15	20
RagA	CST	4357	1:1000	30	12.5	50
RagC	CST	9480	1:1000	50	10	50
Raptor	CST	2280	1:2000	150	6	90
Rheb	CST	13879	1:1000	16	15	90
Sestrin -1	Proteintech	21668-1-AP	1:1000	66-68	15	50
Sestrin-2	Proteintech	10795-1-AP	1:1000	54-60	7.5	50
Sestrin-3	Abgent	AP12471c	1:1000	57	10	50
SGK1 (S422)	Abcam	55281	1:1000	49	10	50
S6K1 (T389)	CST	9234	1:1000	70,85	7.5	50
S6K1 total	SC	230	1:10,000	70,85	12.5	37
SLC38A9	ThermoFisher	PA5-69930	1:1000	64	10	50
Tubulin	CST	2128	1:10,000	55	7.5	90
v-ATPase – VOA2	Sigma-Aldrich	SAB2701067	1:1000	98	7.5	50
V-ATPase – VB1/2	SC	271832	1:500	56	7.5	50

Abcam (Cambridge, UK); Santa Cruz Biotechnology (Dallas, TX); CST, Cell Signaling Technology (Danvers, MA), DSHB, Developmental Studies Hybridoma Bank (Iowa City, Iowa); Invitrogen/ThermoFisher (Carlsbad, CA); Sigma (St. Louis, MO). MW, molecular weight.