

Fig. S1. Controls in the absence of primary antibody to test for non-specific binding and background staining of the secondary antibodies. AC6 (green) and nuclei are counterstained with DAPI (blue). N=2, n=100. Scale bar 20 μ m.

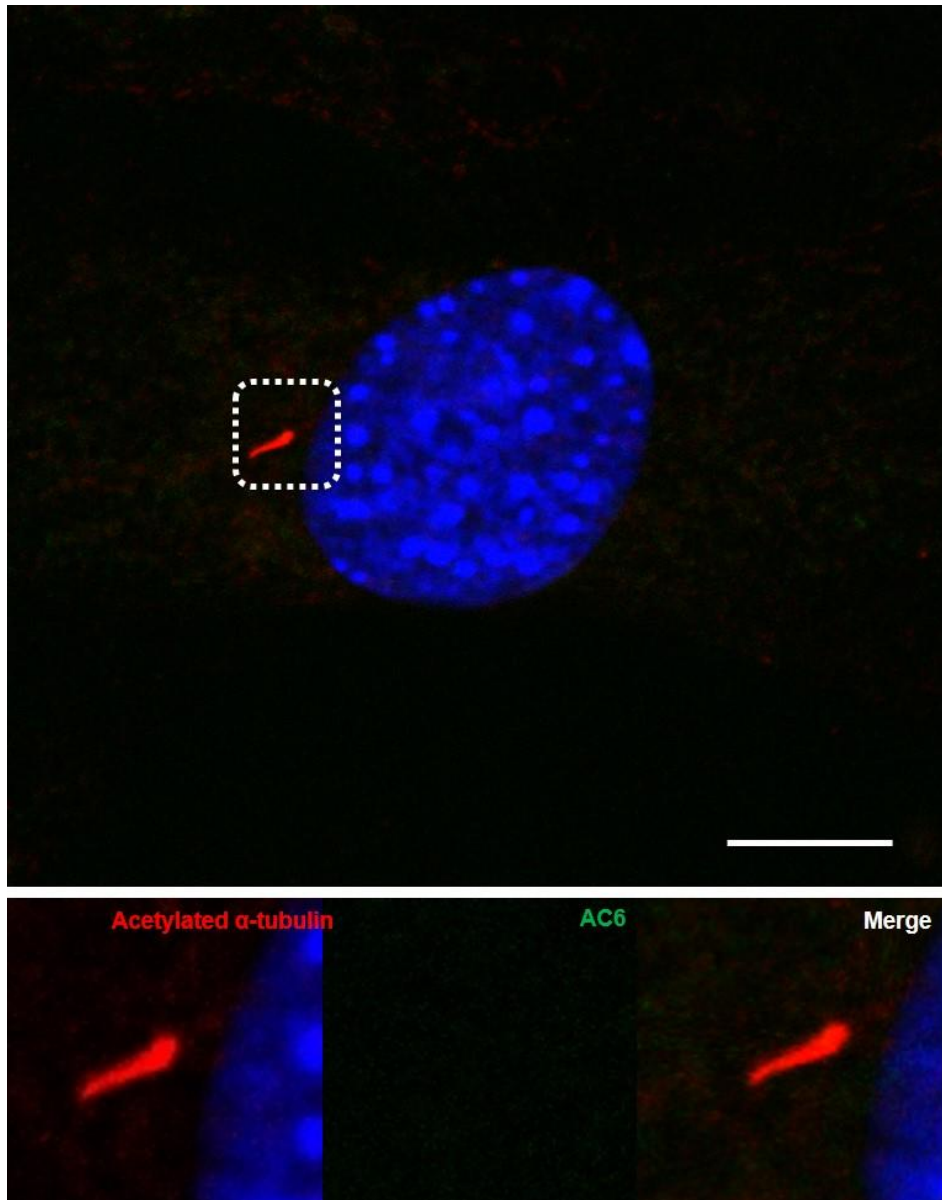


Fig. S2. Controls in the absence of primary antibody to test for non-specific binding and background staining of the secondary antibodies. Acetylated α -tubulin, (red) and AC6 (green). Nuclei are counterstained with DAPI (blue; C). N=3, n= 72-80. Scale bar 5 μ m.

Table S1: Primer sequences and concentrations employed in quantitative PCR analysis.

Gene symbol	T _m (°C)	Primer concentration	Sequence	Amplicon Size
18s	65	400 nM	5'-GTAACCCGTTGAACCCCATT-3'	151bp
			3'-CCATCCAATCGGTAGTAGCG-5'	
Cox2	60	400 nM	5'-ACTCATAGGAGAGACTATCAAG-3'	147bp
			3'-GAGTGTGTTGAATTCAGAGG-5'	
Runx2	60	300 nM	5'-ACAAGGACAGAGTCAGATTAC-3'	196bp
			3'-CAGTGTCATCATCTGAAATACG-5'	
Opn	60	400 nM	5'-GGATGAATCTGACGAATCTC-3'	188bp
			3'-GCATCAGGATACTGTTTCATC-5'	
AC1	65	300 nM	5'-AAGTCCATCTCCTCCCACC-3'	213bp
			3'-ATCATCTCCAGCAACCACG-5'	
AC2	65	300 nM	5'-CAGCATCTCTTCAGACCTCG-3'	206bp
			3'-CCCCAGGACTCCAAGTACC-5'	
AC3	65	300 nM	5'-GAAGAGACGAGGTCATCC-3'	58bp
			3'-CAAGAAAAAGGTCAGAAGCTCC-5'	
AC4	65	300 nM	5'-GAACACCGAGACCCATCAA-3'	78bp
			3'-CTCCAGAGAAGACAGCAATCC-5'	
AC5	65	300 nM	5'-GAGCTGACCAAAGATGTTTCC-3'	63
			3'-GTAGCACCTCCACCATGC-5'	
AC6	65	300 nM	5'-AGCTCAACAGCAGCGACC-3'	49bp
			3'-AAGAGCACCACGTTAGCACC-5'	
AC7	65	300 nM	5'-ATGACCAAGATAGACATCCACC-3'	377bp
			3'-AGCAACCCATGCTAATAAGC-5'	
AC8	65	300 nM	5'-TTCCACCGCATCTACATCC-3'	84bp
			3'-GAGCATCCTGACCAGCTCC-5'	
AC9	65	300 nM	5'-CATCCGTGAGAAACCTGATGC-3'	84bp
			3'-CTATATGATCGCTCCAGCTCC-5'	
Actb	60	1x	Mm00607939_s1	115bp
AC6	60	1x	Mm00475772_ml	55bp