10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

C6orf134 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12129

Product Information

Application	WB
Primary Accession	Q5SQI0
Other Accession	NM_024909, NP_079185
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46810

Additional Information

Gene ID	79969
Alias Symbol	DKFZp547J097, FLJ13158, Nbla00487, TAT, MEC17, C6orf134
Other Names	Alpha-tubulin N-acetyltransferase 1 {ECO:0000255|HAMAP-Rule:MF_03130}, Alpha-TAT {ECO:0000255|HAMAP-Rule:MF_03130}, Alpha-TAT1 {ECO:0000255|HAMAP-Rule:MF_03130}, TAT {ECO:0000255|HAMAP-Rule:MF_03130}, 2.3.1.108 {ECO:0000255|HAMAP-Rule:MF_03130}, Acetyltransferase mec-17 homolog {ECO:0000255|HAMAP-Rule:MF_03130}, ATAT1 {ECO:0000255|HAMAP-Rule:MF_03130}
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-C6orf134 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	C6orf134 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

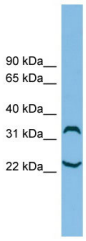
Name	ATAT1 {ECO:0000255|HAMAP-Rule:MF_03130}
Function	Specifically acetylates 'Lys-40' in alpha-tubulin on the lumenal side of microtubules. Promotes microtubule destabilization and accelerates microtubule dynamics; this activity may be independent of acetylation activity. Acetylates alpha-tubulin with a slow enzymatic rate, due to a catalytic site that is not optimized for acetyl transfer. Enters the microtubule through

each end and diffuses quickly throughout the lumen of microtubules. Acetylates only long/old microtubules because of its slow acetylation rate since it does not have time to act on dynamically unstable microtubules before the enzyme is released. Required for normal sperm flagellar function. Promotes directional cell locomotion and chemotaxis, through AP2A2-dependent acetylation of alpha-tubulin at clathrin-coated pits that are concentrated at the leading edge of migrating cells. May facilitate primary cilium assembly.

Cellular Location

Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03130, ECO:0000269|PubMed:24097348}. Membrane, clathrin-coated pit {ECO:0000255|HAMAP-Rule:MF_03130, ECO:0000269|PubMed:24097348}. Cell junction, focal adhesion {ECO:0000255|HAMAP-Rule:MF_03130, ECO:0000269|PubMed:24097348}. Cell projection, axon {ECO:0000255|HAMAP- Rule:MF_03130}. Cytoplasm, cytoskeleton {ECO:0000255|HAMAP- Rule:MF_03130}. Cytoplasm, cytoskeleton, spindle {ECO:0000255|HAMAP- Rule:MF_03130}

Images



WB Suggested Anti-C6orf134 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: ACHN cell lysate