

C6orf134 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12131**Specification**

C6orf134 antibody - middle region - Product Information

Application	WB
Primary Accession	Q5SQI0
Other Accession	NM_024909 , NP_079185
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Rat, Pig, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 36kDa KDa

C6orf134 antibody - middle region - 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 - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

C6orf134 antibody - middle region - Protein Information

Name ATAT1 {ECO:0000255|HAMAP-Rule:MF_03130}

Function

Specifically acetylates 'Lys-40' in alpha-tubulin on the luminal 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

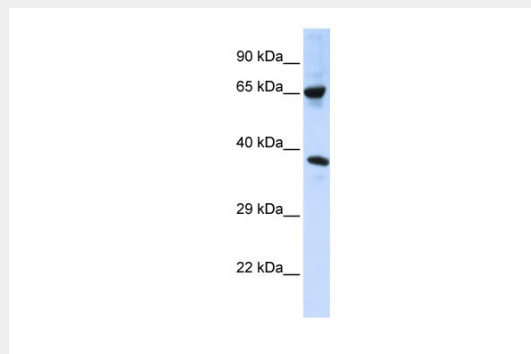
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03130, ECO:0000269|PubMed:24097348}. Membrane, clathrin-coated pit {ECO:0000255|HAMAP-Rule:MF_03130, ECO:0000269|PubMed:24097348}. Cell junction, focal adhesion {ECO:0000255|HAMAP-Rule:MF_03130, ECO:0000269|PubMed:24097348}. Cell projection, axon {ECO:0000255|HAMAP-Rule:MF_03130}.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

C6orf134 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

C6orf134 antibody - middle region - Images



WB Suggested Anti-C6orf134 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: 293T cell lysate

ATAT1 is supported by BioGPS gene expression data to be expressed in HEK293T

C6orf134 antibody - middle region - References

Kimura, K., (2006) Genome Res. 16(1), 55-65 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.