

Rabbit C6orf134 Polyclonal Antibody | anti-ATAT1 antibody

C6orf134 Antibody

CATALOG # AAA329054	HOST Rabbit	REACTIVITY Human, Mouse, Rat
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PRODUCT SYNONYMS

C6orf134; Polyclonal Antibody; C6orf134 Antibody; Acetyltransferase mec 17 homolog; Acetyltransferase mec-17 homolog; Alpha TAT; Alpha tubulin acetyltransferase 1; Alpha tubulin N acetyltransferase; Alpha-TAT; Alpha-tubulin N-acetyltransferase; ATAT_HUMAN; ATAT1; Chromosome 6 open reading frame 134; Hypothetical protein LOC79969; MEC17; Nbla00487; TAT; anti-ATAT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	C6orf134 Antibody detects endogenous levels of totalC6orf134.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mMNaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Immunogen	A synthesized peptide derived from human C6orf134, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



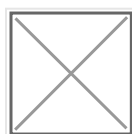
IF (Immunofluorescence)

AAA329054 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329054 1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

AAA329054 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using C6orf134 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ATAT1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	72534730
NCBI GeneID	79969
NCBI Accession #	NP_001026892.1
NCBI GenBank Nucleotide #	NP_001026892.1
UniProt Accession #	Q5SQI0
Molecular Weight	46kDa
NCBI Official Full Name	alpha-tubulin N-acetyltransferase 1 isoform 1
NCBI Official Synonym Full Names	alpha tubulin acetyltransferase 1
NCBI Official Symbol	ATAT1
NCBI Official Synonym Symbols	TAT; MEC17; C6orf134; Nbla00487; alpha-TAT; alpha-TAT1
NCBI Protein Information	alpha-tubulin N-acetyltransferase 1
UniProt Protein Name	Alpha-tubulin N-acetyltransferase 1
UniProt Gene Name	ATAT1
UniProt Synonym Gene Names	C6orf134; MEC17; Nbla00487; Alpha-TAT; Alpha-TAT1; TAT
UniProt Entry Name	ATAT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/c6orf134-antibody-elisa/329054>