



C6orf134 Mouse mAb

Catalog No	YP-mAb-19004
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	ATAT1 C6orf134 MEC17 Nbla00487
Protein Name	Alpha-tubulin N-acetyltransferase (Alpha-TAT) (TAT) (Acetyltransferase mec-17 homolog)
Immunogen	Synthesized peptide derived from human C6orf134
Specificity	This antibody detects endogenous levels of C6orf134 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Calculated Molecular Weight	46kD
Cell Pathway	Cytoplasm . Membrane, clathrin-coated pit . Cell junction, focal adhesion . Cell projection, axon . Cytoplasm, cytoskeleton . Cytoplasm, cytoskeleton, spindle .
Tissue Specificity	
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.



Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images