

Datasheet for ABIN7143948

**anti-Chromosome 6 Open Reading Frame 134 (C6orf134) (AA 194-238) antibody**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	Chromosome 6 Open Reading Frame 134 (C6orf134)
Binding Specificity:	AA 194-238
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Alpha-tubulin N-acetyltransferase 1 protein (194-238AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	Chromosome 6 Open Reading Frame 134 (C6orf134)
Alternative Name:	ATAT1 ( <a href="#">C6orf134 Products</a> )
Background:	Background: Specifically acetylates 'Lys-40' in alpha-tubulin on the luminal side of microtubules. Promotes microtubule destabilization and accelerates microtubule dynamics,

## Target Details

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. Aliases: Acetyltransferase mec 17 homolog antibody, Acetyltransferase mec-17 homolog antibody, Alpha TAT antibody, Alpha tubulin acetyltransferase 1 antibody, Alpha tubulin N acetyltransferase antibody, Alpha-TAT antibody, Alpha-tubulin N-acetyltransferase antibody, ATAT\_HUMAN antibody, ATAT1 antibody, Chromosome 6 open reading frame 134 antibody, Hypothetical protein LOC79969 antibody, MEC17 antibody, Nbla00487 antibody, TAT antibody

UniProt: [Q5SQI0](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500,

Restrictions: For Research Use only

## Handling

Format: Liquid

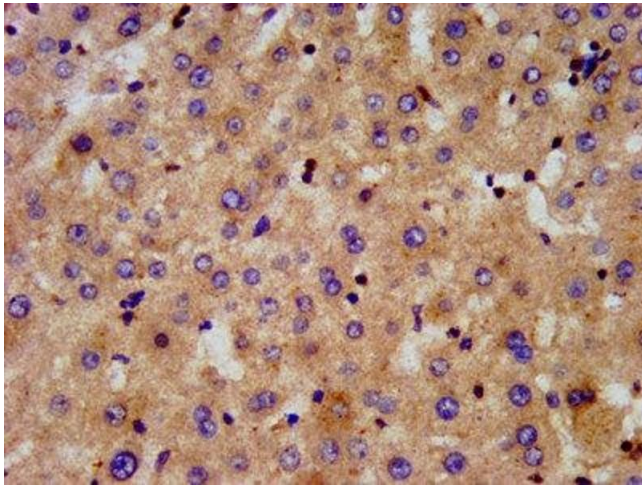
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

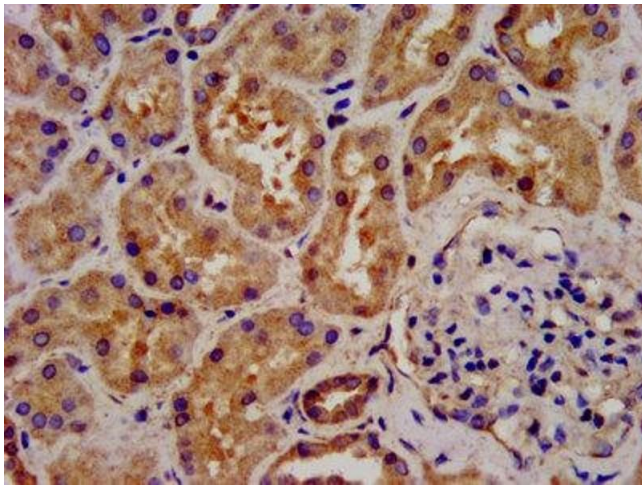
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunohistochemistry

**Image 1.** IHC image of ABIN7143948 diluted at 1:300 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### Immunohistochemistry

**Image 2.** IHC image of ABIN7143948 diluted at 1:300 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.