

**Atat1 Antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12132****Specification**

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**Atat1 Antibody - middle region - Product Information**

|                   |                                                                |
|-------------------|----------------------------------------------------------------|
| Application       | WB                                                             |
| Primary Accession | <a href="#">Q6MG11</a>                                         |
| Other Accession   | <a href="#">NM_212498</a> , <a href="#">NP_997663</a>          |
| Reactivity        | Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog      |
| Predicted         | Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog |
| Host              | Rabbit                                                         |
| Clonality         | Polyclonal                                                     |
| Calculated MW     | 46kDa KDa                                                      |

**Atat1 Antibody - middle region - Additional Information****Gene ID** 361789**Alias Symbol** 3110080J08Rik, FLJ13158|Mec17|TAT**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, Mec17

**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-Atat1 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**

Atat1 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**Atat1 Antibody - middle region - Protein Information****Name** Atat1 {ECO:0000255|HAMAP-Rule:MF\_03130}**Synonyms** Mec17**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

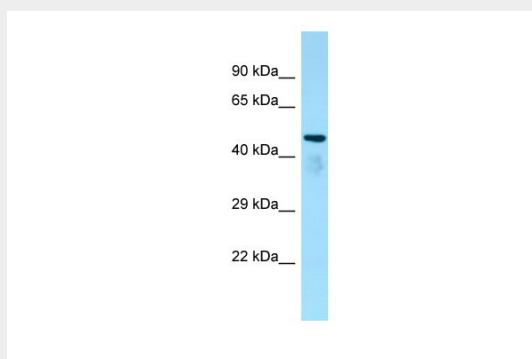
Cytoplasm {ECO:0000255|HAMAP-Rule:MF\_03130}. Membrane, clathrin-coated pit {ECO:0000255|HAMAP-Rule:MF\_03130}. Cell junction, focal adhesion {ECO:0000255|HAMAP-Rule:MF\_03130}. Cell projection, axon {ECO:0000255|HAMAP-Rule:MF\_03130}. Cytoplasm, cytoskeleton {ECO:0000255|HAMAP-Rule:MF\_03130}. Cytoplasm, cytoskeleton, spindle {ECO:0000255|HAMAP-Rule:MF\_03130}

#### Atat1 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](#)

#### Atat1 Antibody - middle region - Images



WB Suggested Anti-Atat1 Antibody Titration: 1.0 µg/ml  
Positive Control: Rat Kidney