

**Anti-p60 katanin Rabbit Monoclonal Antibody**  
**Catalog # ABO16309****Specification****Anti-p60 katanin Rabbit Monoclonal Antibody - Product Information**

Application	WB, IF, ICC
Primary Accession	<a href="#">O75449</a>
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-p60 katanin Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human.

**Anti-p60 katanin Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 11104

**Other Names**

Katanin p60 ATPase-containing subunit A1 {ECO:0000255|HAMAP-Rule:MF\_03023}, Katanin p60 subunit A1 {ECO:0000255|HAMAP-Rule:MF\_03023}, 5.6.1.1 {ECO:0000255|HAMAP-Rule:MF\_03023}, p60 katanin {ECO:0000255|HAMAP-Rule:MF\_03023}, KATNA1 {ECO:0000255|HAMAP-Rule:MF\_03023}

**Calculated MW**

56 kDa KDa

**Application Details**

WB 1:500-1:2000<br>ICC/IF 1:50-1:200

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human p60 katanin

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-p60 katanin Rabbit Monoclonal Antibody - Protein Information**

**Name** KATNA1 {ECO:0000255|HAMAP-Rule:MF\_03023}

### **Function**

Catalytic subunit of a complex which severs microtubules in an ATP-dependent manner. Microtubule severing may promote rapid reorganization of cellular microtubule arrays and the release of microtubules from the centrosome following nucleation. Microtubule release from the mitotic spindle poles may allow depolymerization of the microtubule end proximal to the spindle pole, leading to poleward microtubule flux and poleward motion of chromosome. Microtubule release within the cell body of neurons may be required for their transport into neuronal processes by microtubule-dependent motor proteins. This transport is required for axonal growth.

### **Cellular Location**

Cytoplasm. Midbody. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000255|HAMAP-Rule:MF\_03023} Cytoplasm, cytoskeleton, spindle pole. Cytoplasm, cytoskeleton, spindle. Note=Predominantly cytoplasmic (PubMed:9658175). Localized diffusely in the cytoplasm during the interphase (PubMed:10751153). During metaphase is localized throughout the cell and more widely dispersed than the microtubules. In anaphase and telophase is localized at the midbody region (PubMed:19261606). Also localized to the interphase centrosome and the mitotic spindle poles (By similarity). Enhanced recruitment to the mitotic spindle poles requires microtubules and interaction with KATNB1 (PubMed:10751153). Localizes within the cytoplasm, partially overlapping with microtubules, in interphase and to the mitotic spindle and spindle poles during mitosis (PubMed:26929214). {ECO:0000255|HAMAP-Rule:MF\_03023, ECO:0000269|PubMed:10751153, ECO:0000269|PubMed:19261606, ECO:0000269|PubMed:26929214, ECO:0000269|PubMed:9658175}

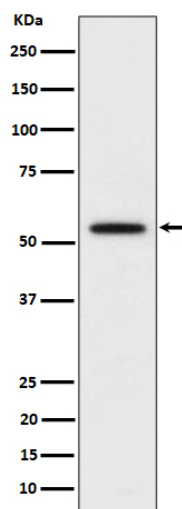
### **Anti-p60 katanin Rabbit Monoclonal Antibody - Protocols**

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](#)

### **Anti-p60 katanin Rabbit Monoclonal Antibody - Images**





Western blot analysis of p60 katanin expression in HeLa cell lysate.