

katanin p80 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58776**Specification****katanin p80 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9BVA0
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72334

katanin p80 Polyclonal Antibody - Additional Information**Gene ID** 10300**Other Names**

Katanin p80 WD40 repeat-containing subunit B1 {ECO:0000255|HAMAP-Rule:MF_03022}, Katanin p80 subunit B1 {ECO:0000255|HAMAP-Rule:MF_03022}, p80 katanin {ECO:0000255|HAMAP-Rule:MF_03022}, KATNB1 {ECO:0000255|HAMAP-Rule:MF_03022}

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

katanin p80 Polyclonal Antibody - Protein Information**Name** KATNB1 {ECO:0000255|HAMAP-Rule:MF_03022}**Function**

Participates in a complex which severs microtubules in an ATP-dependent manner. May act to target the enzymatic subunit of this complex to sites of action such as the centrosome. 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. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm,

cytoskeleton, spindle pole. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, spindle.
Note=Predominantly cytoplasmic. Localized to the interphase centrosome and mitotic spindle poles (PubMed:9658175). Localizes within the cytoplasm, partially overlapping with microtubules, in interphase and to the mitotic spindle and spindle poles during mitosis (PubMed:26929214)

katanin p80 Polyclonal 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](#)

katanin p80 Polyclonal Antibody - Images