10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

katanin p80 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58776

Product Information

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

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=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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)