

Rabbit KATNB1 Polyclonal Antibody | anti-KATNB1 antibody

KATNB1 Antibody

CATALOG # AAA328679	HOST Rabbit	REACTIVITY Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Sheep, Dog	APPLICATIONS Western Blot
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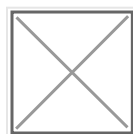
PRODUCT SYNONYMS

KATNB1; Polyclonal Antibody; KATNB1 Antibody; anti-KATNB1 antibody

PRODUCT SPECIFICATIONS

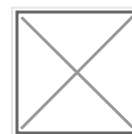
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Sheep, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	KATNB1 Antibody detects endogenous levels of KATNB1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	655
Applicable Applications for anti-KATNB1 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human KATNB1.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Cytoskeleton
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using KATNB1 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from HepG2, using KATNB1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KATNB1 antibody	<p>Description: 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.</p> <p>Subunit Structure: Interacts with PAFAH1B1 (By similarity). Interacts with KATNA1 (PubMed:10751153, PubMed:26929214). This interaction enhances the microtubule binding and severing activity of KATNA1 and also targets this activity to the centrosome (PubMed:10751153). This interaction is weakly competed by KATNBL1 which has a lower affinity for it (PubMed:26929214). Interacts with ASPM; the katanin complex formation KATNA1:KATNB1 is required for the association of ASPM (By similarity). Interacts with dynein, microtubules and NDEL1 (PubMed:16203747). Interacts with KATNAL1; this interaction is weakly competed by KATNBL1 which has a lower affinity for it (PubMed:26929214). Interacts with CAMSAP2 and CAMSAP3; leading to regulate the length of CAMSAP-decorated microtubule stretches (PubMed:24486153).</p> <p>Similarity: Belongs to the WD repeat KATNB1 family.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83779014
NCBI GeneID	10300
NCBI Accession #	NP_005877.2
NCBI GenBank Nucleotide #	NP_005877.2
UniProt Accession #	Q9BVA0
Molecular Weight	Observed: 72 kDa Predicted: 73 kDa
NCBI Official Full Name	katanin p80 WD40 repeat-containing subunit B1
NCBI Official Synonym Full Names	katanin regulatory subunit B1
NCBI Official Symbol	KATNB1
NCBI Official Synonym Symbols	KAT; LIS6
NCBI Protein Information	katanin p80 WD40 repeat-containing subunit B1
UniProt Protein Name	Katanin p80 WD40 repeat-containing subunit B1
UniProt Gene Name	KATNB1
UniProt Synonym Gene Names	Katanin p80 subunit B1
UniProt Entry Name	KTNB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/katnb1-antibody-western-blot-elisa/328679>