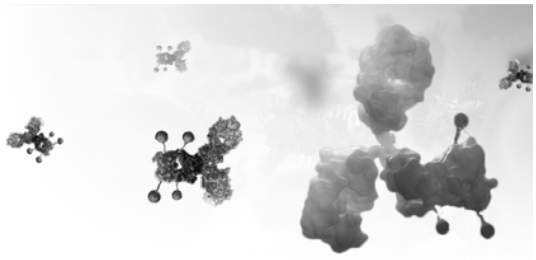

Anti-KATNB1 (aa 429-578) polyclonal antibody (DPABH-07397)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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.
Immunogen	Recombinant fragment, corresponding to amino acids 429-578 of Human katanin p80 (BC001353).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	100 µg
Buffer	pH: 7.20; Constituents: 1% BSA, 98% PBS

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Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	KATNB1 katanin p80 (WD repeat containing) subunit B 2 [Homo sapiens]
Official Symbol	KATNB1
Synonyms	KATNB1; katanin p80 (WD repeat containing) subunit B 1; KAT; katanin p80 WD40 repeat-containing subunit B1; p80 katanin; katanin (80 kDa); katanin p80 subunit B1; katanin p80 WD40-containing subunit B1; katanin p80 (WD40-containing) subunit B 1;
Entrez Gene ID	10300
Protein Refseq	NP_005877.2
UniProt ID	Q9BVA0
Function	dynein binding; microtubule binding; contributes_to microtubule-severing ATPase activity; protein heterodimerization activity

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