Datasheet for ABIN7115579

anti-KATNB1 antibody

Go to Product page

Overview

Quantity:	100 µg
Target:	KATNB1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	katanin p80(WD repeat containing) subunit B 1
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	KATNB1
Alternative Name:	KATNB1 (KATNB1 Products)
Background:	Synonyms:KAT, Katanin p80 subunit B1, KATNB1, p80 katanin Background: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

Target Details

	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.
Molecular Weight:	72-80 kDa
Gene ID:	10300
UniProt:	Q9BVA0
Pathways:	Microtubule Dynamics

Application Details

Application Notes:	WB: 1:500-1:2000, IP: 1:500-1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months