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Datasheet for ABIN7113293 anti-CLASP2 antibody



Overview

Quantity:	100 µg
Target:	CLASP2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CLASP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	cytoplasmic linker associated protein 2
lsotype:	lgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE
Target Details	
Target:	CLASP2
Alternative Name:	CLASP2 (CLASP2 Products)

Background:	Synonyms:KIAA0627 Background:Microtubule plus-end tracking protein that promotes the
	stabilization of dynamic microtubules(PubMed:26003921). Involved in the nucleation of
	noncentrosomal microtubules originating from the trans-Golgi network(TGN). Required for the
	polarization of the cytoplasmic microtubule arrays in migrating cells towards the leading edge

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Target Details

	of the cell. May act at the cell cortex to enhance the frequency of rescue of depolymerizing
	microtubules by attaching their plus-ends to cortical platforms composed of ERC1 and
	PHLDB2(PubMed:16824950). This cortical microtubule stabilizing activity is regulated at least
	in part by phosphatidylinositol 3-kinase signaling. Also performs a similar stabilizing function at
	the kinetochore which is essential for the bipolar alignment of chromosomes on the mitotic
	spindle(PubMed:16866869, PubMed:16914514). Acts as a mediator of ERBB2-dependent
	stabilization of microtubules at the cell cortex.
Molecular Weight:	140-160 kDa
Gene ID:	23122
UniProt:	075122
Pathways:	Microtubule Dynamics, Maintenance of Protein Location

Application Details

Application Notes:	WB: 1:500-1:2000
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

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