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Datasheet for ABIN1679249 anti-CLASP2 antibody (AA 220-400)

Image



Overview

Quantity:	100 µg
Target:	CLASP2
Binding Specificity:	AA 220-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CLASP2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

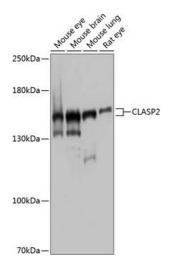
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 220-400 of
	human CLASP2 (NP_001193973.1).
Sequence:	NCTSKSVPVR RRSFEFLDLL LQEWQTHSLE RHAAVLVETI KKGIHDADAE ARVEARKTYM
	GLRNHFPGEA ETLYNSLEPS YQKSLQTYLK SSGSVASLPQ SDRSSSSSQE SLNRPFSSKW
	STANPSTVAG RVSAGSSKAS SLPGSLQRSR SDIDVNAAAG AKAHHAAGQS VRSGRLGAGA L
lsotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

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Target Details

Target:	CLASP2
Alternative Name:	CLASP2 (CLASP2 Products)
Background:	Microtubule plus-end tracking protein that promotes the stabilization of dynamic microtubules.
	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 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. 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. Acts as a mediator of ERBB2-dependent stabilization of microtubules at the cell
	cortex.,CLASP2,Cell Biology & Developmental Biology,Cell Cycle,Centrosome,CLASP2
Molecular Weight:	46 kDa/141 kDa/165 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	
Buffer:	PBS with 0.02 % sodium azide,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:	Store at -20°C. Avoid freeze / thaw cycles.

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Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CL antibody (ABIN1679249, ABIN3019015, ABIN3019016 and ABIN6220674) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

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