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530-758-4400

PRODUCT DATASHEET

Anti-CLASP1 (C-terminus) Antibody

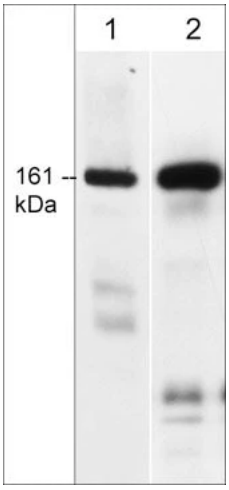
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:CM5011)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	KT66
Gene Name	CLASP1
Host Species	Rat
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 0.05% NaN3
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:500 ICC: 1:100
Species Reactivity	Chicken, Frog, Human, Mouse, Rat
Immunogen	Clone KT66 was generated from a GST fusion protein containing the C-terminus of mouse CLASP1. This sequence is highly conserved in human, rat, chicken, and fish CLASP1, and has low homology to CLASP2.
Specificity	The antibody detects a 161 kDa* protein corresponding to the molecular mass of CLASP1 on SDS-PAGE immunoblots of human HeLa, mouse brain, and rat PC12 cells. The antibody also detects CLASP1 by immunocytochemistry in HeLa cells.
Molecular Weight	161
Quality Control	Western blots performed on each lot.
Storage	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage) upon arrival and stored long term

	at -20° C or -80° C, while keeping a working aliquot stored at 4° C for short term. Avoid freeze/thaw cycles. Stable for at least 1 year.
UniProt ID	Q80TV8 UniProt Summary: 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.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	76707

Product Images



Western blot of CLASP1 in mouse brain (lane 1) and rat PC12 cells (lane 2). The blots were probed with rat monoclonal CM5011 anti-CLASP1 (C-terminus) at a dilution of 1:500. Then detected using donkey anti-Rat IgG:HRP (RS3101).



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