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530-758-4400

PRODUCT DATASHEET

Anti-CLASP2 (N-terminus) Antibody

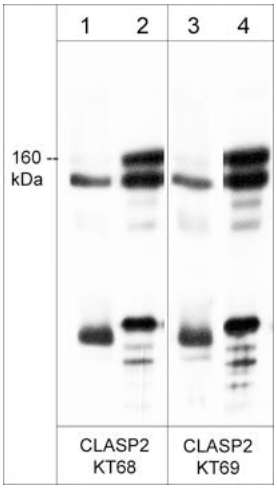
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Product Details

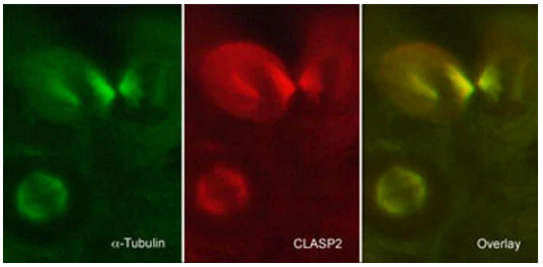
Available Variants	100 µL (SKU:CM5051)
Conjugate	Unconjugated
Isotype	IgG2b
Clone	KT68
Gene Name	CLASP2
Host Species	Rat
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 0.05% NaN3
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:200
Species Reactivity	Human, Mouse, Rat
Immunogen	Clone KT68 was generated from a GST fusion protein containing the N-terminus of mouse CLASP2. This sequence is highly conserved in human and rat CLASP2, and has low homology to CLASP1.
Specificity	The antibody detects a 160 kDa* doublet corresponding to the molecular mass of CLASP2 on SDS-PAGE immunoblots of human HeLa, mouse brain, and rat PC12 cells. The antibody also detects CLASP2 by immunocytochemistry in HeLa and A431 cells.
Molecular Weight	160
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	Q8BRT1 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. Acts as a mediator of ERBB2-dependent stabilization of microtubules at the cell cortex.
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	76499

Product Images



Western blot of CLASP2 in mouse brain (lanes 1 & 3) and rat PC12 cells (lanes 2 & 4). The blots were probed with rat monoclonals CM5051 anti-CLASP2 (clone KT68) (lanes 1 & 2) and CM5071 anti-CLASP2 (clone KT69) (lanes 3 & 4). The antibodies were used at a dilution of 1:500.



Immunocytochemical labeling of CLASP2 in paraformaldehyde-fixed and NP40-permeabilized A431 cells. The cells were dual labeled with mouse monoclonal anti-α-Tubulin (TM4111) (left) and rat monoclonal anti-CLASP2 (CM5051) (middle). The antibodies were detected using either goat anti-mouse:DyLight® 488 (MS3011) or goat anti-Rat:DyLight® 594 (RS3111).

Product Page URL: www.antibodiesinc.com/products/anti-clasp2-n-terminus-antibody-cm5051

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