10320 Camino Santa Fe, Suite G
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Anti-CLASP1 (C-terminus) Antibody
Catalog # AN1716

Specification

Anti-CLASP1 (C-terminus) Antibody - Product Information

Application	**WB**
Primary Accession	Q80TV8
Reactivity	**Bovine, Chicken, Drosophila, C.Elegans**
Host	**Rat**
Clonality	**Rat Monoclonal**
Isotype	**IgG2a**
Calculated MW	**169227**

Anti-CLASP1 (C-terminus) Antibody - Additional Information

Gene ID	**76707**

Other Names
CLIP1, CLIP, Cytoplasmic linker, Kiaa0622; MAP1, POH1, MAST1, Microtubule

Target/Specificity
The microtubule (MT) plus-end is a crucial site for the regulation of MT dynamics and interactions by several groups of plus-end tracking proteins (+TIPs). These +TIPs form comet-like accumulations at the plus ends of MTs to regulate MT dynamics and interactions with organelles and macromolecular complexes. The +TIPs include diverse groups of proteins, such as motor and nonmotor proteins, MT polymerases and depolymerases as well as various regulatory and adaptor proteins. The CLIP-associated protein (CLASP) family includes CLASP1 and CLASP2 proteins, which are expressed as long (α) and short (β) isoforms. Thse +TIPs conatin an N-terminal TOG domain, multiple TOG-like domains, and a basic and serine-rich motif (SxIP). The TOG domain facilitates interaction with tubulin dimers, while the SxIP motif promotes interaciton with EB1 and MTs. A C-terminal domain is involved in interaction with CLIPs, as well as several other proteins. CLASPs are MT stabilizing fators that localize to mitotic spindles, kinetochores, and the midbody. CLASPs are important for cell division, and may regulate cell migration and neuronal growth cone motility.

Dilution
WB~~1:1000

Format
Protein G Purified

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Anti-CLASP1 (C-terminus) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping
Blue Ice

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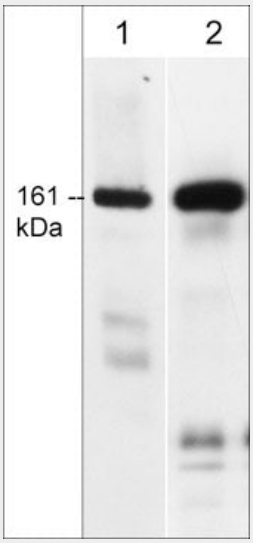
Anti-CLASP1 (C-terminus) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CLASP1 (C-terminus) Antibody - 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).

Anti-CLASP1 (C-terminus) Antibody - Background

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