

Rabbit anti-Human, Mouse CLASP1 Polyclonal Antibody | anti-CLASP1 antibody

CLASP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324621	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

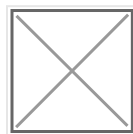
PRODUCT SYNONYMS

CLASP1; Polyclonal Antibody; CLASP1 Antibody; 1700030C23Rik; 5730583A19Rik; B130045P17Rik; CLAP1_HUMAN; clasp1; CLIP associating protein 1; CLIP associating protein CLASP1; CLIP-associating protein 1; Cytoplasmic linker associated protein 1; Cytoplasmic linker-associated protein 1; DKFZp686D1968; DKFZp686H2039; FLJ33821; FLJ41222; hOrbit1; KIAA0622; MAST1; MGC131895; mKIAA0622; Multiple asters 1; Multiple asters homolog 1; Protein Orbit homolog 1; anti-CLASP1 antibody

PRODUCT SPECIFICATIONS

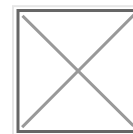
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CLASP1 antibody detects endogenous levels of total CLASP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1479
Applicable Applications for anti-CLASP1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CLASP1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from mouse brain, using CLASP1 antibody.



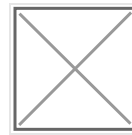
IHC (Immunohistochemistry)

AAA324621 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA324621 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using CLASP1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CLASP1 antibody

Function: 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.

Subunit Structure: Interacts with CLIP2, ERC1, MAPRE1, MAPRE3, microtubules, PHLDB2 and RSN. The interaction with ERC1 may be mediated by PHLDB2. Interacts with GCC2; recruits CLASP1 to Golgi membranes. Interacts with MACF1 (By similarity).

Similarity: Belongs to the CLASP family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	214010173
NCBI GeneID	23332
NCBI Accession #	NP_001135745.1
NCBI GenBank Nucleotide #	NM_001142273.1
UniProt Accession #	Q7Z460; O75118; Q2KHQ9; Q5H9P0; Q8N5B8; Q9BQT5; A2RU21; B7ZLX3; F5GWS0
Molecular Weight	169 KD
NCBI Official Full Name	CLIP-associating protein 1 isoform 2
NCBI Official Synonym Full Names	cytoplasmic linker associated protein 1
NCBI Official Symbol	CLASP1
NCBI Official Synonym Symbols	MAST1
NCBI Protein Information	CLIP-associating protein 1
UniProt Protein Name	CLIP-associating protein 1
UniProt Gene Name	CLASP1
UniProt Synonym Gene Names	KIAA0622; MAST1; hOrbit1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/clasp1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324621>