

Rabbit CLASP2 Polyclonal Antibody | anti-CLASP2 antibody

Anti-CLASP2 Antibody Picoband

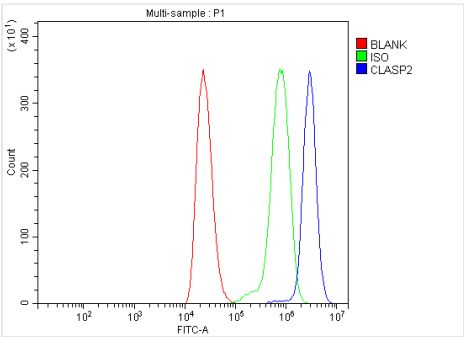
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126320	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

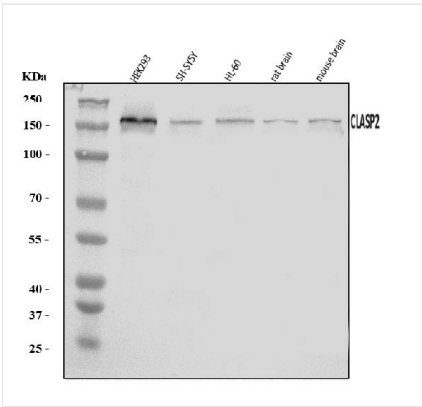
CLASP2; Polyclonal Antibody; Anti-CLASP2 Antibody Picoband; anti-CLASP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CLASP2 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human CLASP2 recombinant protein (Position: A266-D1230).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of THP-1 cells using anti-CLASP2 antibody (AAA126320).Overlay histogram showing THP-1 cells stained with AAA126320 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CLASP2 Antibody (AAA126320, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of CLASP2 using anti-CLASP2 antibody (AAA126320).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HEK293 whole cell lysates,Lane 2: human SH-SY5Y whole cell lysates,Lane 3: human HL-60 whole cell lysates,Lane 4: rat brain tissue lysates,Lane 5: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CLASP2 antigen affinity purified polyclonal antibody (#AAA126320) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CLASP2 at approximately 165 kDa. The expected band size for CLASP2 is at 141 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CLASP2 antibody	CLASP2 (CLIP-associating protein 2) is a brain specific protein belongs to CLASP family. CLASP1 and CLASP2 regulate microtubule plus-end dynamics in brine cortex. CLASP2 is required for the orientation of stabilized microtubules toward the leading edge, It may act at the cell cortex to enhance the frequency of rescue of depolymerizing microtubules by attaching their plus-ends to cortical platforms. Phosphorylation of CLASP2 by GSK3B may negatively regulate binding to microtubule lattices in lamella.
Product Categories/Family for anti-CLASP2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	77416392
NCBI GeneID	23122
UniProt Accession #	O75122; Q7L8F6; Q8N6R6; Q9BQT3; Q9BQT4; Q9H7A3; Q9NSZ2; B2RTR1; F5H604
Molecular Weight	141kDa
NCBI Official Full Name	CLIP-associating protein 2
NCBI Official Synonym Full Names	cytoplasmic linker associated protein 2
NCBI Official Symbol	CLASP2
NCBI Protein Information	CLIP-associating protein 2; protein Orbit homolog 2; multiple asters (Mast)-like homolog 2; cytoplasmic linker-associated protein 2
UniProt Protein Name	CLIP-associating protein 2
UniProt Gene Name	CLASP2
UniProt Synonym Gene Names	KIAA0627; hOrbit2

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/clasp2-antibody-western-blot-flow-cytometry-elisa/126320>