

Rabbit CLIP1 Polyclonal Antibody | anti-CLIP1 antibody

CLIP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324549	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

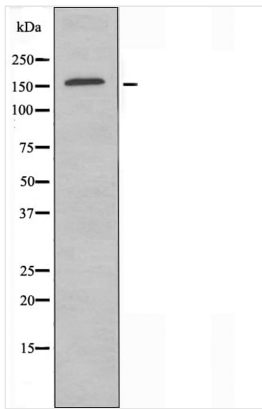
PRODUCT SYNONYMS

CLIP1; Polyclonal Antibody; CLIP1 Antibody; CAP GLY domain containing linker protein 1; CAP-Gly domain-containing linker protein 1; CLIP 170; CLIP; CLIP-170; CLIP1_HUMAN; CYLN1; cytoplasmic linker 1; Cytoplasmic linker protein 1; Cytoplasmic linker protein 170 alpha 2; Cytoplasmic linker protein 170 alpha-2; Cytoplasmic linker protein CLIP 170; Reed Steinberg cell expressed intermediate filament associated; Reed Sternberg intermediate filament associated protein 3; Reed-Sternberg intermediate filament-associated protein; Restin; RSN; anti-CLIP1 antibody

PRODUCT SPECIFICATIONS

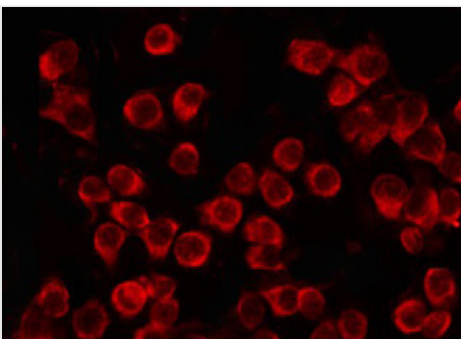
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CLIP1 antibody detects endogenous levels of total CLIP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1438
Applicable Applications for anti-CLIP1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Cytoplasm > Cytoskeleton. Associated with the cytoskeleton. Localizes to the tips of microtubules.
Tissue Specificity	Detected in dendritic cells (at protein level). Highly expressed in the Reed-Sternberg cells of Hodgkin disease.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (91%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (91%), Dog (91%), Chicken (82%)
Conjugation	Unconjugated
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 MCF-7 cells using CLIP1 antibody.



IF (Immunofluorescence)

AAA324549 staining HuvEc 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) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CLIP1 antibody	Function: Binds to the plus end of microtubules and regulates the dynamics of the microtubule cytoskeleton. Promotes microtubule growth and microtubule bundling. Links cytoplasmic vesicles to microtubules and thereby plays an important role in intracellular vesicle trafficking. Plays a role macropinocytosis and endosome trafficking. Subunit Structure: Interacts with MTOR; phosphorylates and regulates CLIP1 (PubMed:12231510). Interacts (via CAP-Gly domains) with tubulin (PubMed:17563362, PubMed:17889670). Interacts with SLAIN2 (PubMed:21646404). Interacts (via zinc finger) with DCTN1 (PubMed:17828275, PubMed:20679239). Interacts with TUBA1B, MAPRE1 and MAPRE3 (PubMed:17563362). Binds preferentially to tyrosinated microtubules, and only marginally to detyrosinated microtubules (By similarity). Post-translational Modifications: Phosphorylated. Phosphorylation induces conformational changes by increasing the affinity of the N-terminus for C-terminus, resulting in inhibition of its function thus decreasing its binding to microtubules and DCTN1. Exhibits a folded, autoinhibited conformation when phosphorylated and an open conformation when dephosphorylated with increased binding affinity to microtubules and DCTN1. Phosphorylation regulates its recruitment to tyrosinated microtubules and the recruitment of vesicular cargo to microtubules in neurons (By similarity). Phosphorylation by MTOR may positively regulate CLIP1 association with microtubules (PubMed:12231510). Similarity: Intramolecular interaction between the zinc finger domain and the CAP-Gly domains may inhibit interaction with tubulin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	351542242
NCBI GeneID	6249
NCBI Accession #	NP_001234926.1
NCBI GenBank Nucleotide #	NM_001247997.1
UniProt Accession #	P30622; Q17RS4; Q29RG0; A0AVD3
Molecular Weight	Observed: 161 kD Predicted: 163 kDa
NCBI Official Full Name	CAP-Gly domain-containing linker protein 1 isoform c
NCBI Official Synonym Full Names	CAP-Gly domain containing linker protein 1
NCBI Official Symbol	CLIP1
NCBI Official Synonym Symbols	RSN; CLIP; CYLN1; CLIP170; CLIP-170
NCBI Protein Information	CAP-Gly domain-containing linker protein 1

UniProt Protein Name	CAP-Gly domain-containing linker protein 1
UniProt Gene Name	CLIP1
UniProt Synonym Gene Names	CYLN1; RSN; CLIP-170

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/clip1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324549>