



Rabbit Anti-CLIP170 antibody

SL4297R

Product Name:	CLIP170
Chinese Name:	细胞质连接蛋白1抗体
Alias:	CAP GLY domain containing linker protein 1; CAP-Gly domain-containing linker protein 1; CLIP 170; CLIP; CLIP-170; CLIP1; CLIP-1; CLIP 1; CLIP1_HUMAN; CYLN1; cytoplasmic linker 1; Cytoplasmic linker protein 1; Cytoplasmic linker protein 170 alpha 2; Cytoplasmic linker protein 170 alpha-2; Reed Steinberg cell expressed intermediate filament associated; Reed Sternberg intermediate filament associated protein 3; Reed-Sternberg intermediate filament-associated protein; Restin; RSN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	158kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CLIP1/CLIP170:451-550/1438
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Seems to be a intermediate filament associated protein that links endocytic vesicles to microtubules.

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 in macropinocytosis and endosome trafficking.

Subunit:

Interacts with MTOR; phosphorylates and regulates CLIP1. Interacts (via CAP-Gly domains) with tubulin. Interacts with SLAIN2. Interacts (via zinc finger) with DCTN1. Interacts with MAPRE1 and MAPRE3.

Subcellular Location:

Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, ruffle. Note=Associated with the cytoskeleton. Detected at the plus ends of microtubules in the cytosol, and close to plasma membrane ruffles. Associates with the membranes of intermediate macropinocytic vesicles.

Tissue Specificity:

Detected in dendritic cells (at protein level). Highly expressed in the Reed-Sternberg cells of Hodgkin disease.

Post-translational modifications:

Phosphorylated. Phosphorylation by MTOR may positively regulate CLIP1 association with microtubules.

Similarity:

Contains 2 CAP-Gly domains.
Contains 1 CCHC-type zinc finger.

SWISS:

P30622

Gene ID:

6249

Database links:

[Entrez Gene: 6249](#) Human

[Entrez Gene: 56430](#) Mouse

[Entrez Gene: 65201](#) Rat

[Omim: 179838](#) Human

[SwissProt: P30622](#) Human

[SwissProt: Q922J3](#) Mouse

[Unigene: 524809](#) Human

[Unigene: 241109](#) Mouse

[Unigene: 441802](#) Mouse

[Unigene: 22069](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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