10320 Camino Santa Fe, Suite G
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CLIP1 / CLIP-170 Antibody
Goat Polyclonal Antibody
Catalog # ALS12872

Specification

CLIP1 / CLIP-170 Antibody - Product Information

Application	**IHC**
Primary Accession	P30622
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**162kDa KDa**

CLIP1 / CLIP-170 Antibody - Additional Information

Gene ID 6249

Other Names
CAP-Gly domain-containing linker protein 1, Cytoplasmic linker protein 1, Cytoplasmic linker protein 170 alpha-2, CLIP-170, Reed-Sternberg intermediate filament-associated protein, Restin, CLIP1, CYLN1, RSN

Target/Specificity
Human CLIP1 / CLIP170. This antibody is expected to recognize both reported isoforms (NP_002947.1; NP_937883.1).

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
CLIP1 / CLIP-170 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CLIP1 / CLIP-170 Antibody - Protein Information

Name CLIP1

Synonyms CYLN1, RSN

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.

Cellular Location
Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, ruffle. Note=Localizes to microtubule plus ends

(PubMed:21646404, PubMed:17889670). Localizes preferentially to the ends of tyrosinated microtubules (By similarity). Accumulates in plasma membrane regions with ruffling and protrusions. Associates with the membranes of intermediate macropinocytic vesicles (PubMed:12433698) {ECO:0000250|UniProtKB:Q922J3, ECO:0000269|PubMed:12433698, ECO:0000269|PubMed:17889670, ECO:0000269|PubMed:21646404}

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

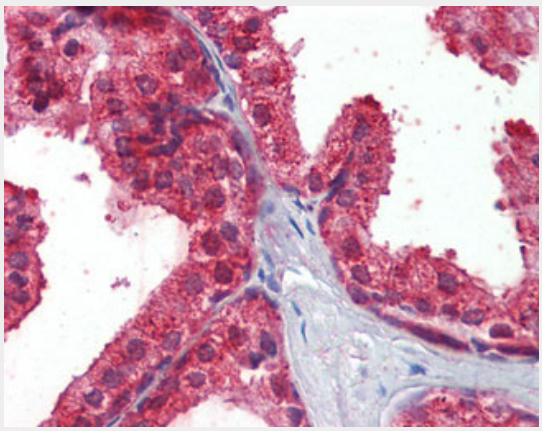
Volume
50 µl

CLIP1 / CLIP-170 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

CLIP1 / CLIP-170 Antibody - Images



Anti-CLIP1 / CLIP170 antibody IHC of human prostate.

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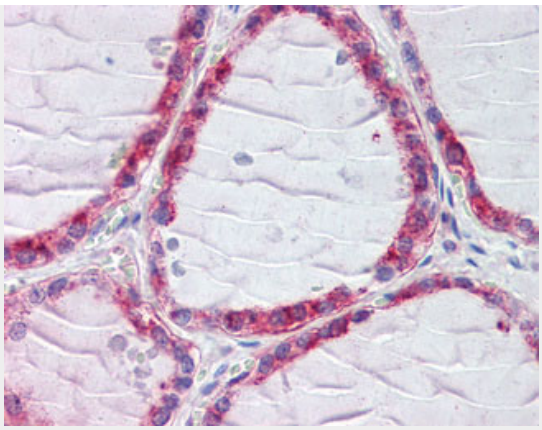

Anti-CLIP1 / CLIP170 antibody IHC of human thyroid.

CLIP1 / CLIP-170 Antibody - Background

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.

CLIP1 / CLIP-170 Antibody - References

Bilbe G.,et al.EMBO J. 11:2103-2113(1992).
Pierre P.,et al.Cell 70:887-900(1992).
Sahin U.,et al.Blood 100:4139-4145(2002).
Choi J.H.,et al.EMBO Rep. 3:988-994(2002).
Olsen J.V.,et al.Cell 127:635-648(2006).