

Goat Anti-Restin / CLIP1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1922a

Specification

Goat Anti-Restin / CLIP1 Antibody - Product Information

Application	IHC, WB
Primary Accession	P30622
Other Accession	NP_937883 , 6249 , 56430 (mouse) , 65201 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	162246

Goat Anti-Restin / CLIP1 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

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Restin / CLIP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Restin / CLIP1 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 in 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:17889670, PubMed:21646404). 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

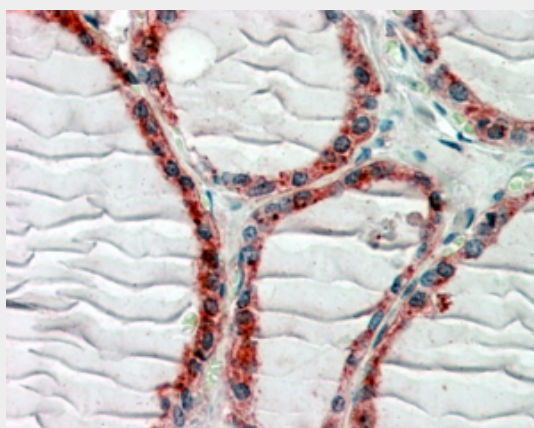
Detected in dendritic cells (at protein level). Highly expressed in the Reed-Sternberg cells of Hodgkin disease

Goat Anti-Restin / CLIP1 Antibody - Protocols

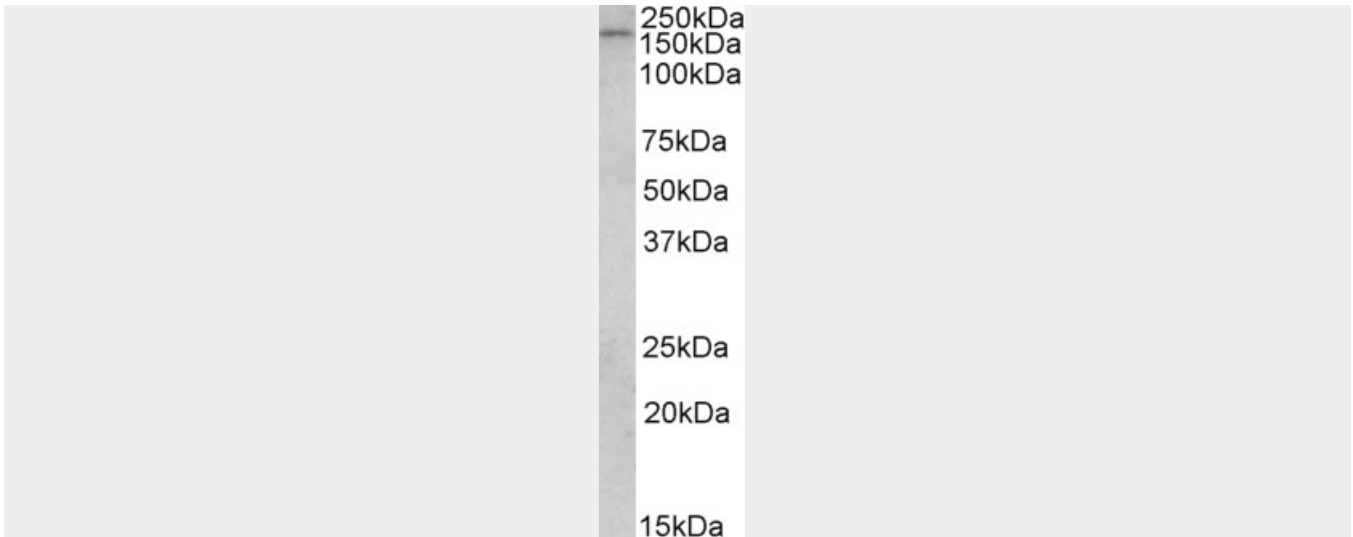
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-Restin / CLIP1 Antibody - Images



AF1922a (2.5 µg/ml) staining of paraffin embedded Human Thyroid Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF1922a (1 $\mu\text{g/ml}$) staining of Human Breast Cancer lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Restin / CLIP1 Antibody - References

Cdc2-mediated phosphorylation of CLIP-170 is essential for its inhibition of centrosome reduplication. Yang X, et al. J Biol Chem, 2009 Oct 16. PMID 19687009.

Microtubule plus-end tracking by CLIP-170 requires EB1. Dixit R, et al. Proc Natl Acad Sci U S A, 2009 Jan 13. PMID 19126680.

Dynein, Lis1 and CLIP-170 counteract Eg5-dependent centrosome separation during bipolar spindle assembly. Tanenbaum ME, et al. EMBO J, 2008 Dec 17. PMID 19020519.

The membrane-tubulating potential of amphiphysin 2/BIN1 is dependent on the microtubule-binding cytoplasmic linker protein 170 (CLIP-170). Meunier B, et al. Eur J Cell Biol, 2009 Feb. PMID 19004523.

Lamellar bodies of human epidermis: proteomics characterization by high throughput mass spectrometry and possible involvement of CLIP-170 in their trafficking/secretion. Raymond AA, et al. Mol Cell Proteomics, 2008 Nov. PMID 18622020.