

KD-Validated Anti-CLIP1 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1157**Specification****KD-Validated Anti-CLIP1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	P30622
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 162 kDa , observed, 170 kDa
Gene Name	CLIP1
Aliases	CLIP1; CAP-Gly Domain Containing Linker Protein 1; CLIP-170; CYLN1; CLIP170; CLIP; RSN; Restin (Reed-Sternberg Cell-Expressed Intermediate Filament-Associated Protein); CAP-Gly Domain-Containing Linker Protein 1; Cytoplasmic Linker Protein 170 Alpha-2; Cytoplasmic Linker Protein 1; Restin; Reed-Sternberg Intermediate Filament-Associated Protein; Cytoplasmic Linker Protein CLIP-170
Immunogen	A synthesized peptide derived from CLIP170

KD-Validated Anti-CLIP1 Rabbit Monoclonal 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	

KD-Validated Anti-CLIP1 Rabbit Monoclonal 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: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

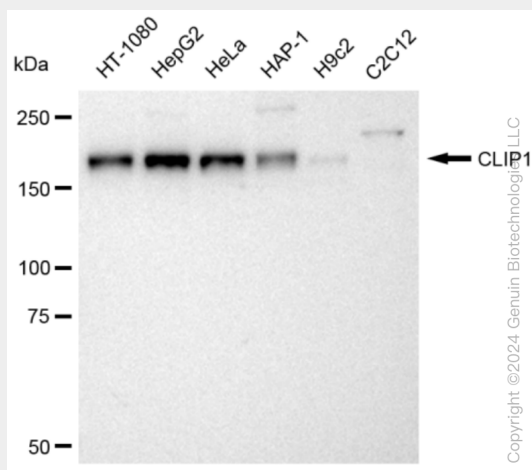
Detected in dendritic cells (at protein level). Highly expressed in the Reed-Sternberg cells of Hodgkin disease

KD-Validated Anti-CLIP1 Rabbit Monoclonal Antibody - Protocols

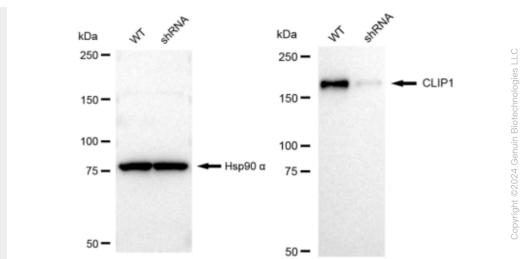
Provided below are standard protocols that you may find useful for product applications.

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

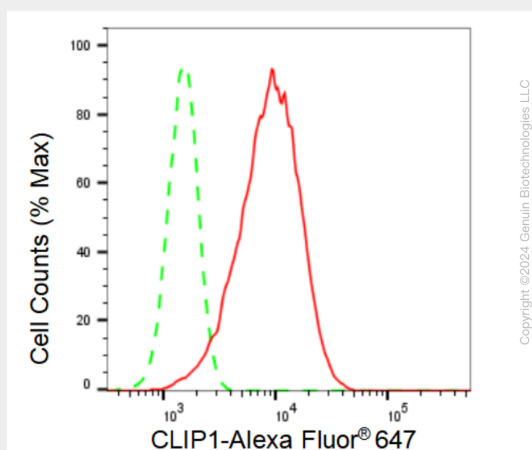
KD-Validated Anti-CLIP1 Rabbit Monoclonal Antibody - Images



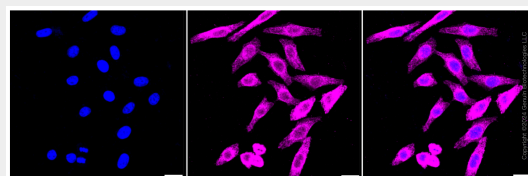
Western blotting analysis using anti-CLIP1 antibody (Cat#AGI1157). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CLIP1 antibody (Cat#AGI1157, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-CLIP1 antibody (Cat#AGI1157). CLIP1 expression in wild type (WT) and CLIP1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-CLIP1 antibody (Cat#AGI1157, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of CLIP1 expression in HepG2 cells using CLIP1 antibody (Cat#AGI1157, 1:2,000). Green, isotype control; red, CLIP1.



Immunocytochemical staining of HepG2 cells with CLIP1 antibody (Cat#AGI1157, 1:1,000). Nuclei were stained blue with DAPI; CLIP1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.