ARG64963
anti-CLIP1 / CLIP170 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CLIP1 / CLIP170
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog, Pig
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize both reported isoforms (NP_002947.1; NP_937883.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CLIP1 / CLIP170
Species	Human
Immunogen	C-PHSTHHGSRGEERP
Conjugation	Un-conjugated
Alternate Names	CLIP170; RSN; CLIP; CLIP-170; Restin; Cytoplasmic linker protein 1; CAP-Gly domain-containing linker protein 1; CYLN1; Cytoplasmic linker protein 170 alpha-2; Reed-Sternberg intermediate filament-associated protein

Application Instructions

Application table

Application	Dilution
IHC-P	2.5 µg/ml
WB	1 - 3 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

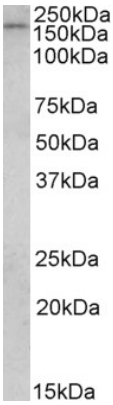
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

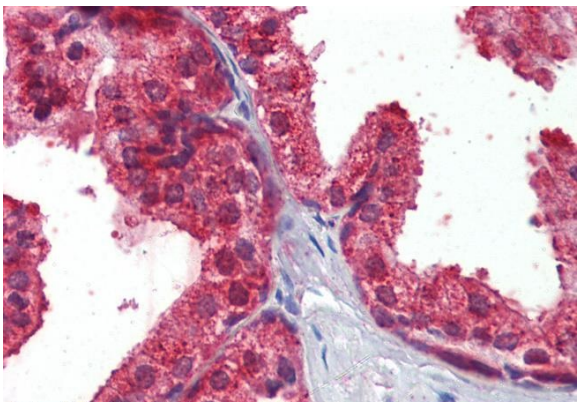
Database links	GeneID: 6249 Human Swiss-port # P30622 Human
Background	The protein encoded by this gene links endocytic vesicles to microtubules. This gene is highly expressed in Reed-Sternberg cells of Hodgkin disease. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Signaling Transduction antibody
Calculated Mw	162 kDa
PTM	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).

Images



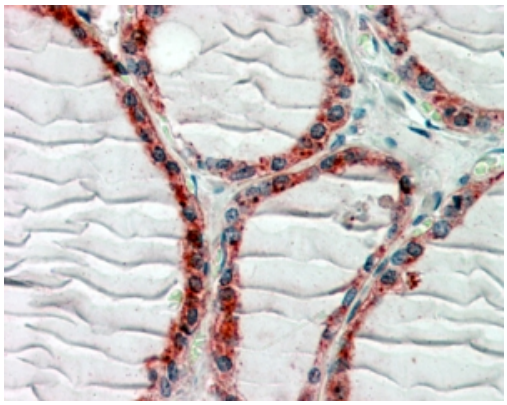
ARG64963 anti-CLIP1 / CLIP170 antibody WB image

Western blot: 35 µg of Human Breast Cancer lysate stained with ARG64963 anti-CLIP1 / CLIP170 antibody at 1 µg/ml dilution.



ARG64963 anti-CLIP1 / CLIP170 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64963 anti-CLIP1 / CLIP170 antibody at 2.5 µg/ml dilution followed by AP-staining.



ARG64963 anti-CLIP1 / CLIP170 antibody IHC image

Immunohistochemistry: paraffin-embedded Human Thyroid Gland (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64963 anti-CLIP1 / CLIP170 antibody at 2.5 µg/ml dilution, followed by AP-staining.