

Rabbit Clathrin heavy chain Polyclonal Antibody | anti-CLTCL1 antibody

Clathrin heavy chain Antibody

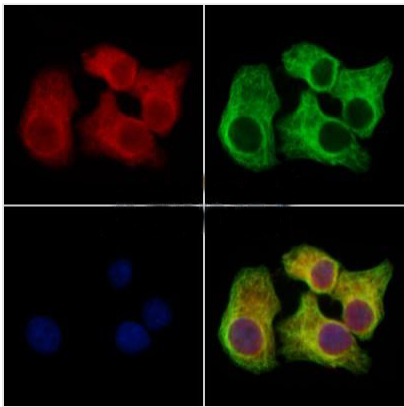
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31170	Rabbit	Human, Mouse, Rat Predicted Reactivity: Zebrafish(88%), Rabbit(88%), Dog(100%), Chicken(88%)	Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

Clathrin heavy chain; Polyclonal Antibody; Clathrin heavy chain Antibody; anti-CLTCL1 antibody

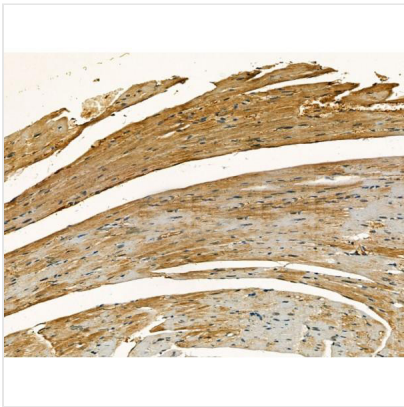
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Zebrafish(88%), Rabbit(88%), Dog(100%), Chicken(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Clathrin heavy chain Antibody detects endogenous levels of total Clathrin heavy chain.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	1583
Applicable Applications for anti-CLTCL1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human Clathrin heavy chain, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



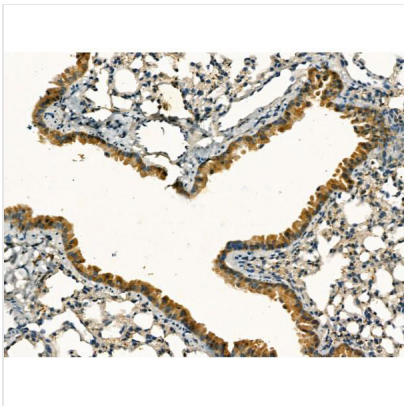
IF (Immunofluorescence)

AAA31170 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31170 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



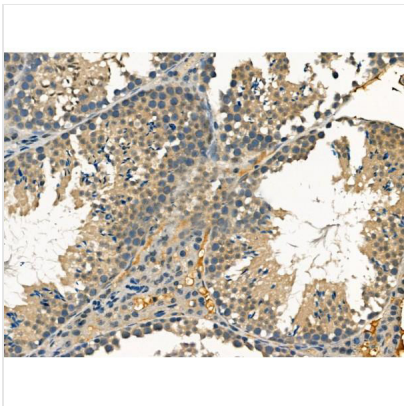
IHC (Immunohistochemistry-Paraffin)

AAA31170 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



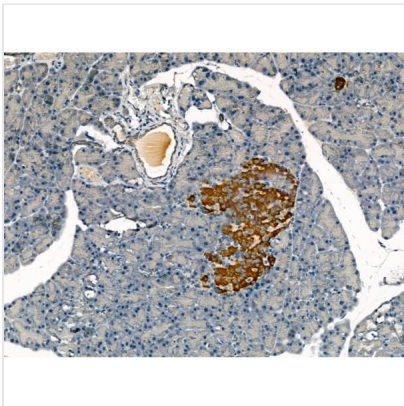
IHC (Immunohistochemistry-Paraffin)

AAA31170 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



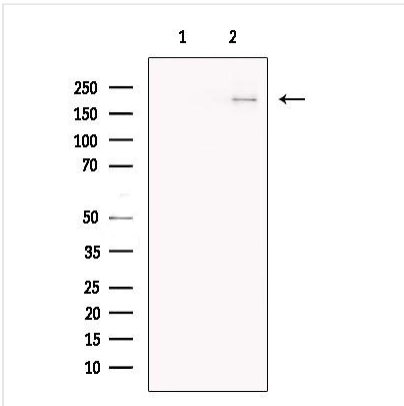
IHC (Immunohistochemistry-Paraffin)

AAA31170 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31170 at 1/100 staining Rat pancreatic tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from NIH3T3, using Clathrin heavy chain Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CLTCL1 antibody	Function: Clathrin is the major protein of the polyhedral coat of coated pits and vesicles. Two different adapter protein complexes link the clathrin lattice either to the plasma membrane or to the trans-Golgi network (By similarity). Subcellular Location: Cytoplasmic vesicle membrane>Peripheral membrane protein>Cytoplasmic side. Membrane>Coated pit>Peripheral membrane protein>Cytoplasmic side. Note: Cytoplasmic face of coated pits and vesicles. Tissue Specificity: Maximal levels in skeletal muscle. High levels in heart and testis. Low expression detected in all other tissues. Subunit Structure: Clathrin triskelions, composed of 3 heavy chains and 3 light chains, are the basic subunits of the clathrin coat. In the presence of light chains, hub assembly is influenced by both the pH and the concentration of calcium (By similarity). May interact with OCRL (By similarity). Similarity: The C-terminal third of the heavy chains forms the hub of the triskelion. This region contains the trimerization domain and the light-chain binding domain involved in the assembly of the clathrin lattice. The N-terminal seven-bladed beta-propeller is formed by WD40-like repeats, and projects inward from the polyhedral outer clathrin coat. It constitutes a major protein-protein interaction node (By similarity). Belongs to the clathrin heavy chain family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	242247001
NCBI GeneID	8218
NCBI Accession #	NP_001826.3
NCBI GenBank Nucleotide #	NP_001826.3
UniProt Accession #	P53675
Molecular Weight	Observed Molecular Weight: (Observed)187kD. Predicted Molecular Weight: (Calculated)187kDa.
NCBI Official Full Name	clathrin heavy chain 2 isoform 2
NCBI Official Synonym Full Names	clathrin heavy chain like 1
NCBI Official Symbol	CLTCL1
NCBI Official Synonym Symbols	CLTD; CHC22; CLH22; CLTCL
NCBI Protein Information	clathrin heavy chain 2
UniProt Protein Name	Clathrin heavy chain 2
UniProt Gene Name	CLTCL1
UniProt Synonym Gene Names	CLH22; CLTCL; CLTD; CLH-22

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/clathrin-heavy-chain-antibody-immunofluorescence-immunocytochemistry-elisa/31170>