

Rabbit CORO1A Polyclonal Antibody | anti-CORO1A antibody

CORO1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323855	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CORO1A; Polyclonal Antibody; CORO1A Antibody; Actin binding protein; CLABP; Clipin A; Clipin-A; CLIPINA; COR1A_HUMAN; Coronin 1; Coronin actin binding protein 1A; Coronin like protein A; Coronin like protein p57; Coronin-1A; Coronin-like protein A; Coronin-like protein p57; FLJ41407; HCORO1; MGC117380; OTTHUMP00000163017; p57; TACO; Tryptophan aspartate containing coat protein; Tryptophan aspartate-containing coat protein; anti-CORO1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CORO1A antibody detects endogenous levels of total CORO1A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	461
Applicable Applications for anti-CORO1A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm > Cytoskeleton. Cytoplasm > Cell Cortex. Cytoplasmic Vesicle > Phagosome Membrane. In non-infected macrophages, associated with the cortical microtubule network. In mycobacteria-infected macrophages, becomes progressively relocalized and retained around the mycobacterial phagosomes. Retention on the phagosomal membrane is strictly dependent on mycobacterial viability and not due to impaired acidification.
Tissue Specificity	Expressed in brain, thymus, spleen, bone marrow and lymph node. Low in lung and gut.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Zebrafish (88%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA323855 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using CORO1A antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA323855 at 1/100 staining Human lymph 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 antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CORO1A antibody

Function: May be a crucial component of the cytoskeleton of highly motile cells, functioning both in the invagination of large pieces of plasma membrane, as well as in forming protrusions of the plasma membrane involved in cell locomotion. In mycobacteria-infected cells, its retention on the phagosomal membrane prevents fusion between phagosomes and lysosomes.
Subunit Structure: Binds actin.
Post-translational Modifications: phosphorylation at Thr-412 by PKC strongly down-regulates the association with actin. Polyubiquitinated by RNF128 with 'Lys-48'-linked chains, leading to proteasomal degradation.
Similarity: Belongs to the WD repeat coronin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	300934762
NCBI GeneID	11151
NCBI Accession #	NP_001180262.1
NCBI GenBank Nucleotide #	NM_001193333.2
UniProt Accession #	P31146; Q2YD73; B2RBL1
Molecular Weight	Predicted: 52 kDa
NCBI Official Full Name	coronin-1A
NCBI Official Synonym Full Names	coronin 1A
NCBI Official Symbol	CORO1A
NCBI Official Synonym Symbols	p57; IMD8; TACO; CLABP; HCORO1; CLIPINA
NCBI Protein Information	coronin-1A
UniProt Protein Name	Coronin-1A
UniProt Gene Name	CORO1A
UniProt Synonym Gene Names	CORO1; Clipin-A; TACO

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/coro1a-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/323855>