

Rabbit Coronin 1a/TACO/CORO1A Polyclonal Antibody | anti-CORO1A antibody

Anti-Coronin 1a/TACO/CORO1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19291	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

Coronin 1a/TACO/CORO1A; Polyclonal Antibody; Anti-Coronin 1a/TACO/CORO1A Antibody; CORO1A; CORO1; Coronin-1A; Coronin-like protein A; Clipin-A; Coronin-like protein p57; Tryptophan aspartate-containing coat protein; TACO; coronin 1A; anti-CORO1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for Coronin 1a/TACO/CORO1A detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na2HPO4.
Applicable Applications for anti-CORO1A antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA (Direct ELISA)
Application Notes	WB: 0.25-0.5ug/ml Human, Mouse, Rat IHC-P: 1-2ug/ml Human FC/FACS/FCM: 1-3ug/1x106 cells Human Direct ELISA: 0.1-0.5ug/ml Human
Immunogen	E Coli-derived human Coronin 1a/TACO/CORO1A recombinant protein (Position: E173-K461).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



FCM (Flow Cytometry)

Figure 11. Flow Cytometry analysis of U937 cells using anti-Coronin 1a/TACO/CORO1A antibody (AAA19291). Overlay histogram showing U937 cells stained with AAA19291 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Coronin 1a/TACO/CORO1A Antibody (AAA19291, 1μg/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



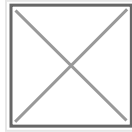
FCM (Flow Cytometry)

Figure 10. Flow Cytometry analysis of THP-1 cells using anti-Coronin 1a/TACO/CORO1A antibody (AAA19291). Overlay histogram showing THP-1 cells stained with AAA19291 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Coronin 1a/TACO/CORO1A Antibody (AAA19291, 1μg/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



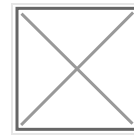
IHC (Immunohistochemistry)

Figure 9. IHC analysis of Coronin 1a/TACO/CORO1A using anti-Coronin 1a/TACO/CORO1A antibody (AAA19291). Coronin 1a/TACO/CORO1A was detected in paraffin-embedded section of human gallbladder adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-Coronin 1a/TACO/CORO1A Antibody (AAA19291) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



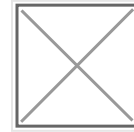
IHC (Immunohistochemistry)

Figure 7. IHC analysis of Coronin 1a/TACO/CORO1A using anti-Coronin 1a/TACO/CORO1A antibody (AAA19291). Coronin 1a/TACO/CORO1A was detected in paraffin-embedded section of human ovarian serous adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-Coronin 1a/TACO/CORO1A Antibody (AAA19291) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



IHC (Immunohistochemistry)

Figure 8. IHC analysis of Coronin 1a/TACO/CORO1A using anti-Coronin 1a/TACO/CORO1A antibody (AAA19291). Coronin 1a/TACO/CORO1A was detected in paraffin-embedded section of human renal clear cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-Coronin 1a/TACO/CORO1A Antibody (AAA19291) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



IHC (Immunohistochemistry)

Figure 6. IHC analysis of Coronin 1a/TACO/CORO1A using anti-Coronin 1a/TACO/CORO1A antibody (AAA19291). Coronin 1a/TACO/CORO1A was detected in paraffin-embedded section of human ovarian serous adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-Coronin 1a/TACO/CORO1A Antibody (AAA19291) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).

ADDITIONAL INFORMATION

Related Product Information for anti-CORO1A antibody	Coronin-1A is a protein that in humans is encoded by the CORO1A gene. This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asg (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. Alternative splicing results in multiple transcript variants. A related pseudogene has been defined on chromosome 16.
References	1. Ferrari, G., Langen, H., Naito, M., Pieters, J. A coat protein on phagosomes involved in the intracellular survival of mycobacteria. Cell 97: 435-447, 1999. 2. Foger, N., Rangell, L., Danilenko, D. M., Chan, A. C. Requirement for coronin 1 in T lymphocyte trafficking and cellular homeostasis. Science 313: 839-842, 2006. 3. Haraldsson, M. K., Louis-Dit-Sully, C. A., Lawson, B. R., Sternik, G., Santiago-Raber, M. -L., Gascoigne, N. R. J., Theofilopoulos, A. N., Kono, D. H. The lupus-related Lmb3 locus contains a disease-suppressing coronin-1A gene mutation. Immunity 28: 40-51, 2008.

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	51,026 Da
NCBI Official Full Name	coronin-1A
NCBI Official Synonym Full Names	coronin, actin binding protein, 1A
NCBI Official Symbol	CORO1A

NCBI Official Synonym Symbols	p57; TACO; CLABP; HCORO1; CLIPINA
NCBI Protein Information	coronin-1A; clipin-A; coronin-like protein A; coronin-like protein p57; tryptophan aspartate-containing coat protein
UniProt Protein Name	Coronin-1A
UniProt Gene Name	CORO1A
UniProt Synonym Gene Names	CORO1; Clipin-A; TACO
UniProt Entry Name	COR1A_HUMAN

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/coronin-1a-taco-coro1a-antibody-western-blot-immunohistochemistry-flow-cytometry-direct-elisa-elisa/19291>