

Rabbit Coronin-1B Polyclonal Antibody | anti-CORO1B antibody

Coronin-1B (Ser-2), phospho-specific Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71607	Rabbit	Human, Rat, Mouse	Immunocytochemistry, ELISA, Western Blot

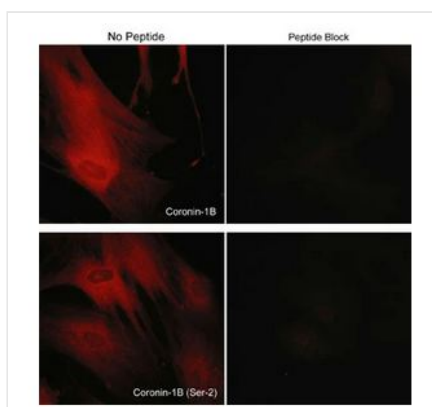
PRODUCT SYNONYMS

Coronin-1B; Polyclonal Antibody; Coronin-1B (Ser-2); phospho-specific Antibody; phospho-specific; Coronin 1B S2; anti-CORO1B antibody

PRODUCT SPECIFICATIONS

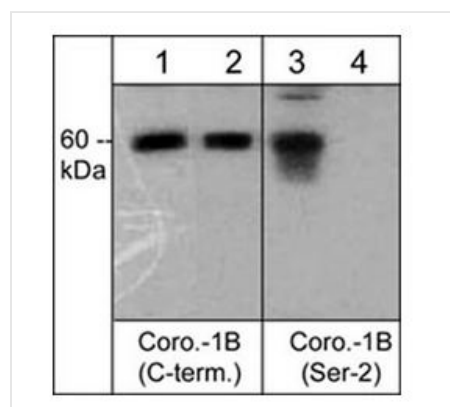
Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	This antibody was affinity purified using phosho-Coronin-1B (Ser-2) peptide (without carrier). The antibody detects a 60kDa* band corresponding to Coronin-1B on SDS-PAGE immunoblots of human A431 or HeLa cells treated with Calyculin A. This band is not observed in control cells and the band observed in Calyculin A-treated cells can be removed with lambda phosphatase treatment.
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-CORO1B antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Coronin-1B (Ser-2) synthetic peptide (coupled to carrier protein) corresponds to amino acids surrounding serine 2 in human coronin-1B. This sequence has high homology to the conserved site in rat and mouse coronin-1B and in coronin-1A. However, this sequence has low homology to the conserved region in other coronins.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of coronin-1B in rabbit spleen fibroblasts treated with Calyculin A. The cells were labeled with rabbit polyclonal Coronin-1B (C-terminus) and Coronin-1B (Ser-2) antibodies, then detected using appropriate secondary antibodies conjugated to Cy3. The antibodies were used in the absence (left) or presence (right) of their respective blocking peptide (CX2585 or CX2625).



WB (Western Blot)

Western blot analysis of human A431 cells treated with Calyculin A (100nM) for 30 min (lanes 1 & 3) before treatment with lambda phosphatase (lanes 2 & 4). The blots were probed with anti-Coronin-1B (C-terminal region) (lanes 1 & 2) or anti-Coronin-1B (Ser-2) (lanes 3 & 4).

ADDITIONAL INFORMATION

Related Product Information for anti-CORO1B antibody	Coronins are highly-conserved F-actin binding proteins that play important roles in lamellipodial protrusion during various types of cell motility. In yeast, coronins regulate cytoskeletal changes through inhibition of Arp2/3 complex. Human coronins have been classified in three subgroups type I (coronin-1A, -1B, -1C), type II (coronin-2A, -2B), and type III (coronin-7). These coronins have at least one large b-propeller region that mediates protein-protein interactions and type I and II coronins have coiled-coil regions involved in oligomerization. Coronin-1B is ubiquitously expressed and localizes to the leading edge of cell protrusions in migrating fibroblasts. Both Coronin-1B and Coronin-1A interaction with Arp2/3 complex may be regulated by phosphorylation. PKC phosphorylates the N-terminus at Ser-2, and this phosphorylation reduces interactions with Arp2/3 leading to diminished cell motility.
References	Cai, L. et al. (2007) Cell 128:915. Foger, N. et al. (2006) Science 313:839. Uetrecht, A.C. & Bear, J.E. (2006) Trends Cell Biol. 16(8):421.

NCBI AND UNIPROT INFORMATION

NCBI GI #	65787364
NCBI GeneID	57175
NCBI Accession #	NP_001018080.1
NCBI GenBank Nucleotide #	NM_001018070.2
UniProt Accession #	Q9BR76; B2RD45
Molecular Weight	54,235 Da
NCBI Official Full Name	coronin-1B
NCBI Official Synonym Full Names	coronin 1B
NCBI Official Symbol	CORO1B
NCBI Official Synonym Symbols	CORONIN-2
NCBI Protein Information	coronin-1B
UniProt Protein Name	Coronin-1B
UniProt Gene Name	CORO1B

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-1b-antibody-immunocytochemistry-western-blot-elisa/71607>