

CORO1B Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55372

Specification

CORO1B Polyclonal Antibody - Product Information

Application Primary Accession

Reactivity
Host
Clonality
Calculated MW
Physical State
Immunogen

.....ariogen

Epitope Specificity

Isotype **Purity**

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

09BR76

Rabbit

54 KDa

Liquid

laG

Polyclonal

301-400/489

SUBCELLULAR LOCATION Cytoplasm > cytoskeleton. Localized to the

leading edge in fibroblasts, as well as

KLH conjugated synthetic peptide derived

WB, IHC-P, IHC-F, IF, ICC, E

Rat, Pig, Dog, Bovine

from human CORO1B

weakly along actin stress fibers.

SIMILARITY Belongs to the WD repeat coronin family.

Contains 5 WD repeats.

Post-translational modifications Phosphorylation by PKC on Ser-2 regulates

the interaction with the Arp2/3 complex

and cell motility in fibroblasts.

Phosphorylation does not seem to affect

subcellular location.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

Coronins are a family of WD repeat-containing, actin-binding proteins that localize to submembraneous areas and regulate cell motility and cytoskeletal rearrangement. Coronin 1A (CORO1A, CLIPINA, CLABP, TACO, p57) can form coiled coil-mediated homotrimeric complexes that influence early phagosome formation. PKC-dependent phosphorylation of Coronin 1B (CORO1B) at Serine 2 regulates leading edge dynamics and cell motility in fibroblasts through interactions with Arp2/3 complex. Coronin 1C (CORO1C, Coronin 3, HCRNN4) is abundant in differentiating Neuro-2a cells, PC-12 cells and primary oligodendrocytes, where it is thought to influence neuron morphogenesis and migration. Coronin 2A (CORO2A, CLIPINB, IR10, WDR2) is a component of the approximately 1.5-2 megadalton N-CoR (nuclear receptor corepressor) complex of 10-12 proteins, which recruits HDACs to generate repressive chromatin. Coronin 7 (CORO7, CRN7) localizes to the Golgi membrane and influences the organization of intracellular membrane compartments and vesicular trafficking. Coronin 2B (CORO2B, CLIPINC) and Coronin 6 (CORO6) are similar to other members of this family, since they possess a conserved basic N-terminal motif and 3-10 WD repeats clustered in one to two core domains.



CORO1B Polyclonal Antibody - Additional Information

Gene ID 57175

Other Names

Coronin-1B, Coronin-2, CORO1B

Dilution

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<span class ="dilution_WB">WB~~1:1000</span><br \><span class
="dilution_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution_IF">IF~~1:50~200</span><br \><span class ="dilution_ICC">ICC~~N/A</span><br \><span class ="dilution_ICC">ICC~~N/A</span><br \><span class ="dilution_ICC">ICC~~N/A</span><br \><span class = "dilution_ICC">ICC~~N/A</span>
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Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

CORO1B Polyclonal Antibody - Protein Information

Name CORO1B

Function

Regulates leading edge dynamics and cell motility in fibroblasts. May be involved in cytokinesis and signal transduction (By similarity).

Cellular Location

Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, stress fiber. Note=Localized to the leading edge in fibroblasts, as well as weakly along actin stress fibers

CORO1B Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CORO1B Polyclonal Antibody - Images