

Store at
-20C
#92904**Coronin 1A (D6K5B) XP[®] Rabbit mAb**

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IHC-P, IF-F, IF-IC, FC-FP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 60	Source/Isotype: Rabbit IgG	UniProt ID: #P31146	Entrez-Gene Id: 11151
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Product Usage Information**Application**

Western Blotting
Immunohistochemistry (Paraffin)
Immunofluorescence (Frozen)
Immunofluorescence (Immunocytochemistry)
Flow Cytometry (Fixed/Permeabilized)

Dilution

1:1000
1:200
1:100
1:100
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. *Do not aliquot the antibody.*

Specificity/Sensitivity

Coronin 1A (D6K5B) XP[®] Rabbit mAb recognizes endogenous levels of total coronin 1A protein. Based on the sequence of the immunogenic peptide, this antibody is not expected to cross-react with other coronin protein family members.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val200 of human coronin 1A protein.

Background

The coronin family of actin-binding proteins regulates a variety of cellular functions, including migration, phagocytosis, and cytokinesis. Coronin 1A is highly expressed in lymphocytes, and is required for appropriate immune regulation in mice and humans. Researchers are investigating coronin 1A as a potential therapeutic target for autoimmune diseases and lymphoid cancers (1,2). Coronin 1A affects bone resorption through its regulation of lysosome fusion and secretion of cathepsin K in osteoclasts (3). In the nervous system, coronin 1A has been shown to regulate GPCR signaling and neurite outgrowth (4,5).

Background References

1. Punwani, D. et al. (2015) *J Clin Immunol* 35, 100-7.
2. Siegmund, K. et al. (2016) *J Biol Chem* 291, 22086-22092.
3. Ohmae, S. et al. (2017) *Sci Rep* 7, 41710.
4. Martorella, M. et al. (2017) *Vitam Horm* 104, 113-131.
5. Terzi, Y.K. et al. (2014) *Neurosci Lett* 582, 38-42.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IHC-P:** Immunohistochemistry (Paraffin) **IF-F:** Immunofluorescence (Frozen) **IF-IC:** Immunofluorescence (Immunocytochemistry) **FC-FP:** Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key

H: Human **M:** Mouse

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