

#60613 Store at -20°C

Coronin 1A (D7M3N) Rabbit mAb



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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	H M	Endogenous	60	Rabbit IgG	#P31146	11151

Product Usage Information	Application Western Blotting	Dilution 1:1000
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 (D7MN) 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	<ol style="list-style-type: none"> 1. Punwani, D. et al. (2015) <i>J Clin Immunol</i> 35, 100-7. 2. Siegmund, K. et al. (2016) <i>J Biol Chem</i> 291, 22086-22092. 3. Ohmae, S. et al. (2017) <i>Sci Rep</i> 7, 41710. 4. Martorella, M. et al. (2017) <i>Vitam Horm</i> 104, 113-131. 5. Terzi, Y.K. et al. (2014) <i>Neurosci Lett</i> 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	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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