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Coronin 7 Antibody
Catalog # ASC11364

Specification

Coronin 7 Antibody - Product Information

Application	**WB, IHC, IF**
Primary Accession	P57737
Other Accession	NP_078811, 168229161
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**Coronin 7 antibody can be used for detection of Coronin 7 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.**

Coronin 7 Antibody - Additional Information

Gene ID **79585**

Target/Specificity
CORO7; Multiple isoforms of Coronin 7 are known to exist

Reconstitution & Storage
Coronin 7 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions
Coronin 7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Coronin 7 Antibody - Protein Information

Name CORO7

Function
F-actin regulator involved in anterograde Golgi to endosome transport: upon ubiquitination via 'Lys-33'-linked ubiquitin chains by the BCR(KLHL20) E3 ubiquitin ligase complex, interacts with EPS15 and localizes to the trans-Golgi network, where it promotes actin polymerization, thereby facilitating post-Golgi trafficking. May play a role in the maintenance of the Golgi apparatus morphology.

Cellular Location
Golgi apparatus membrane. Golgi apparatus, trans- Golgi network. Cytoplasmic vesicle. Cytoplasm, cytosol. Note=Predominantly cytosolic. Detected on vesicle-like cytoplasmic structures

and on the cis-Golgi. Not associated with actin filaments

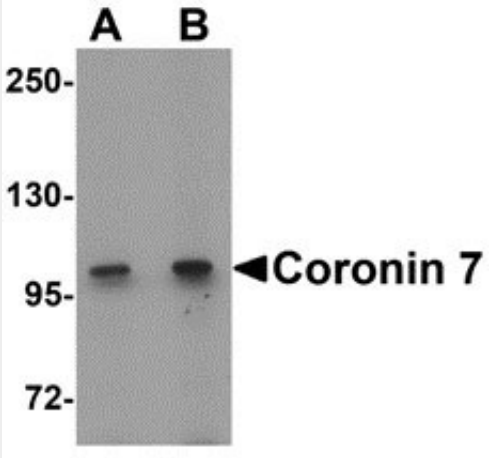
Tissue Location
Widely expressed. Expressed in the spleen, peripheral leukocytes, testes, brain, thymus and small intestine

Coronin 7 Antibody - Protocols

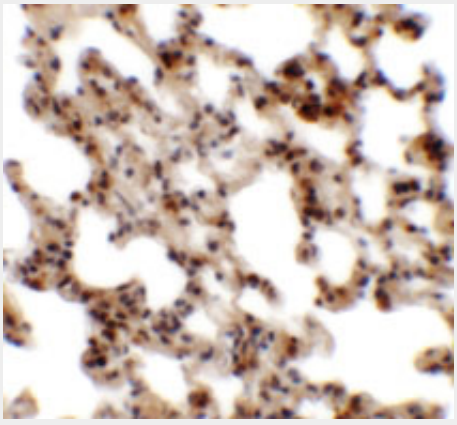
Provided below are standard protocols that you may find useful for product applications.

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

Coronin 7 Antibody - Images



Western blot analysis of Coronin 7 in rat lung tissue lysate with Coronin 7 antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of Coronin 7 in rat lung tissue with Coronin 7 antibody at 2.5 µg/mL.

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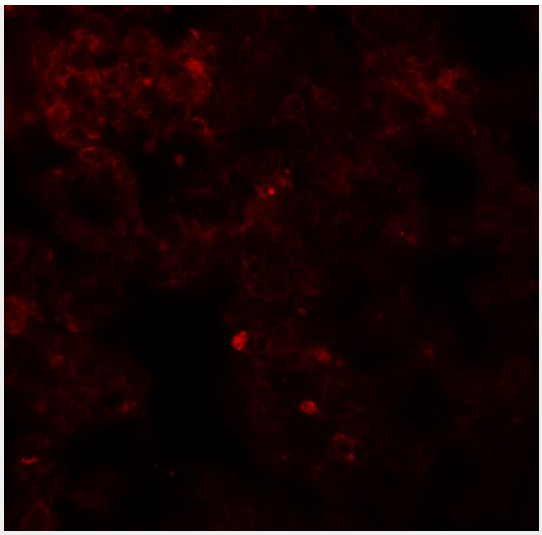

Immunofluorescence of Coronin 7 in rat lung tissue with Coronin 7 antibody at 20 µg/mL.

Coronin 7 Antibody - Background

Coronin 7 Antibody: Coronins, such as Coronin 7, constitute an evolutionarily conserved family of WD-repeat actin-binding proteins whose function is thought to be regulating the cytoskeleton. Unlike other cytoplasmically localized Coronins, Coronin 7 localizes in part to the Golgi complex and is thought to play a role in Golgi complex morphology and function. Other experiments indicate that Coronin 7 interacts with the anti-proliferative protein TOB1 and enhances its degradation though the SCF ubiquitin ligase (E3) complex.

Coronin 7 Antibody - References

Rybakin V, Stumpf N, Schulze A, et al. Coronin 7, the mammalian POD-1 homologue, localizes to the Golgi apparatus. FEBS Lett. 2004; 573:161-7.
Crn7 interacts with AP-1 and is required for the maintenance of Golgi morphology and protein export from the Golgi. J. Biol. Chem. 2006; 281:31070-8.
Watanabe M, Suzuki T, Kim M, et al. Coronin7 forms a novel E3 ubiquitin ligase complex to promote the degradation of the anti-proliferative protein Tob. FEBS Lett. 2011; 585:65-70.