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CORO7 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10766a

Specification

CORO7 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P57737
Other Accession	NP_078811.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**100605**
Antigen Region	**173-202**

CORO7 Antibody (N-term) - Additional Information

Gene ID 79585

Other Names
Coronin-7, Crn7, 70 kDa WD repeat tumor rejection antigen homolog, CORO7

Target/Specificity
This CORO7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 173-202 amino acids from the N-terminal region of human CORO7.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CORO7 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CORO7 Antibody (N-term) - 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

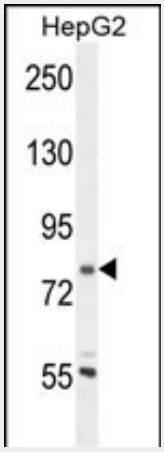
Tissue Location
Widely expressed. Expressed in the spleen, peripheral leukocytes, testes, brain, thymus and small intestine

CORO7 Antibody (N-term) - 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

CORO7 Antibody (N-term) - Images



CORO7 Antibody (N-term) (Cat. #AP10766a) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the CORO7 antibody detected the CORO7 protein (arrow).

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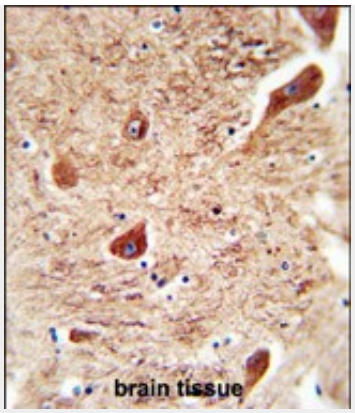

CORO7 antibody (N-term) (Cat. #AP10766a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CORO7 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

CORO7 Antibody (N-term) - Background

Coronins, such as CORO7, constitute an evolutionarily conserved family of WD-repeat actin-binding proteins. CORO7 plays a role in Golgi complex morphology and function (Rybakin et al., 2004, 2006 [PubMed 15327992] [PubMed 16905771]).

CORO7 Antibody (N-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Rybakin, V., et al. Cell. Mol. Life Sci. 65(15):2419-2430(2008)
Rybakin, V., et al. J. Biol. Chem. 281(41):31070-31078(2006)
Rybakin, V., et al. FEBS Lett. 573 (1-3), 161-167 (2004) :