

RAB20 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP17593b

Specification

RAB20 Antibody (C-term) - Product Information

Application WB,E **Primary Accession O9NX57** Other Accession NP 060287.1 Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 26277 Antigen Region 202-229

RAB20 Antibody (C-term) - Additional Information

Gene ID 55647

Other Names

Ras-related protein Rab-20, RAB20

Target/Specificity

This RAB20 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 202-229 amino acids from the C-terminal region of human RAB20.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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.

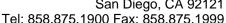
Precautions

RAB20 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RAB20 Antibody (C-term) - Protein Information

Name RAB20 (HGNC:18260)

Function The small GTPases Rab are key regulators of intracellular membrane trafficking, from





the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (By similarity). RAB20 plays a role in apical endocytosis/recycling. Plays a role in the maturation and acidification of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis. Plays a role in the fusion of phagosomes with lysosomes.

Cellular Location

Golgi apparatus. Cytoplasmic vesicle, phagosome Cytoplasmic vesicle, phagosome membrane; Lipid-anchor; Cytoplasmic side. Note=Highly enriched on apical endocytic structures in polarized epithelial cells of kidney proximal tubules (By similarity). Recruited to phagosomes containing S.aureus or M.tuberculosis (PubMed:21255211) {ECO:0000250|UniProtKB:P35295, ECO:0000269|PubMed:21255211}

Tissue Location

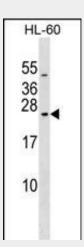
Low or absent expression in normal pancreas and stronger expression in 15 of 18 exocrine pancreatic adenocarcinomas (at protein level).

RAB20 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

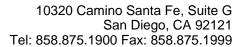
RAB20 Antibody (C-term) - Images



RAB20 Antibody (C-term) (Cat. #AP17593b) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the RAB20 antibody detected the RAB20 protein (arrow).

RAB20 Antibody (C-term) - Background

RAB20 plays a role in apical endocytosis/recycling.





RAB20 Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Das Sarma, J., et al. Cell Commun. Adhes. 15(1):65-74(2008) Amillet, J.M., et al. Hum. Pathol. 37(3):256-263(2006) Pereira-Leal, J.B., et al. J. Mol. Biol. 313(4):889-901(2001) Lutcke, A., et al. J. Cell. Sci. 107 (PT 12), 3437-3448 (1994):