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RAB20 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17593b

Specification

RAB20 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9NX57
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}

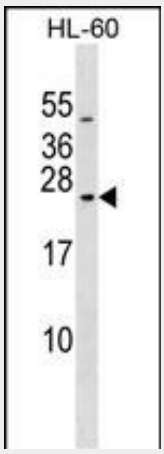
Tissue Location
Low or absent expression in normal pancreas and stronger expression in 15 of 18 exocrine pancreatic adenocarcinomas (at protein level).

RAB20 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- 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.

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RAB20 Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
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Amillet, J.M., et al. Hum. Pathol. 37(3):256-263(2006)
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