

## **Rab 20 Polyclonal Antibody**

**Catalog # AP72105** 

# **Specification**

# **Rab 20 Polyclonal Antibody - Product Information**

Application WB, IHC-P
Primary Accession Q9NX57
Reactivity Human
Host Rabbit
Clonality Polyclonal

## Rab 20 Polyclonal Antibody - Additional Information

**Gene ID 55647** 

#### **Other Names**

RAB20; Ras-related protein Rab-20

#### Dilution

WB $\sim\sim$ Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

IHC-P~~N/A

#### **Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

### **Storage Conditions**

-20°C

### Rab 20 Polyclonal Antibody - Protein Information

# Name RAB20 (<u>HGNC:18260</u>)

### **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**

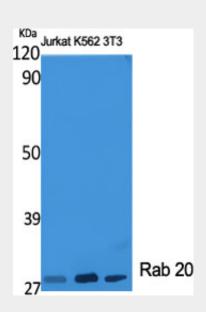
Low or absent expression in normal pancreas and stronger expression in 15 of 18 exocrine pancreatic adenocarcinomas (at protein level).

# **Rab 20 Polyclonal Antibody - Protocols**

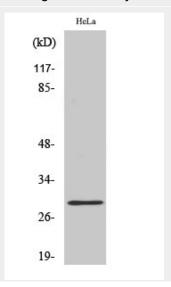
Provided below are standard protocols that you may find useful for product applications.

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

# Rab 20 Polyclonal Antibody - Images



Western Blot analysis of various cells using Rab 20 Polyclonal Antibody diluted at 1□2000





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Western Blot analysis of A549 cells using Rab 20 Polyclonal Antibody diluted at 1□2000

# Rab 20 Polyclonal Antibody - Background

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.