

Rab 20 Polyclonal Antibody

Catalog # AP72105

Product Information

Application	WB, IHC-P
Primary Accession	Q9NX57
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26277

Additional Information

Gene ID	55647
Other Names	RAB20; Ras-related protein Rab-20
Dilution	WB~~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

Protein Information

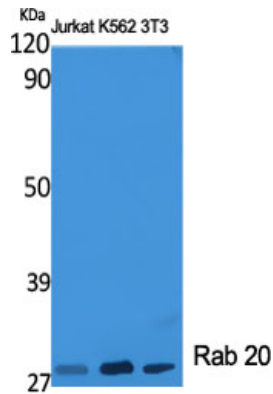
Name	RAB20 (HGNC:18260)
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different 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).

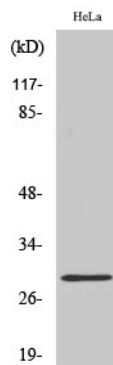
Background

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.

Images



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.