

Rabbit anti-Human RAB20 Polyclonal Antibody | anti-RAB20 antibody

RAB20 Antibody

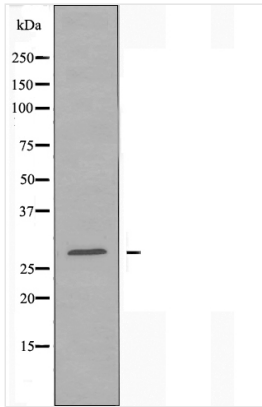
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325049	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

RAB20; Polyclonal Antibody; RAB20 Antibody; FLJ20429; RAB20 member RAS oncogene family; RAB20_HUMAN; Ras related protein Rab20; Ras-related protein Rab-20; anti-RAB20 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	RAB20 antibody detects endogenous levels of total RAB20
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	234
Applicable Applications for anti-RAB20 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Golgi Apparatus. Cytoplasmic Vesicle, Phagosome. Cytoplasmic Vesicle, Phagosome Membrane. 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).
Tissue Specificity	Low or absent expression in normal pancreas and stronger expression in 15 of 18 exocrine pancreatic adenocarcinomas (at protein level).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from A549 cells using RAB20 antibody.



IF (Immunofluorescence)
AAA325049 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB20 antibody	Function: 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. Similarity: Belongs to the small GTPase superfamily. Rab family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8923401
NCBI GeneID	55647
NCBI Accession #	NP_060287.1
NCBI GenBank Nucleotide #	NM_017817.2
UniProt Accession #	Q9NX57; Q5T9X5; Q9NX49
Molecular Weight	Observed: 28 kD Predicted: 27 kDa
NCBI Official Full Name	ras-related protein Rab-20
NCBI Official Synonym Full Names	RAB20, member RAS oncogene family
NCBI Official Symbol	RAB20
NCBI Protein Information	ras-related protein Rab-20
UniProt Protein Name	Ras-related protein Rab-20
UniProt Gene Name	RAB20

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.