

Rabbit anti-Human, Rat Rab 34 Polyclonal Antibody | anti-RAB34 antibody

Rab 34 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322604	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

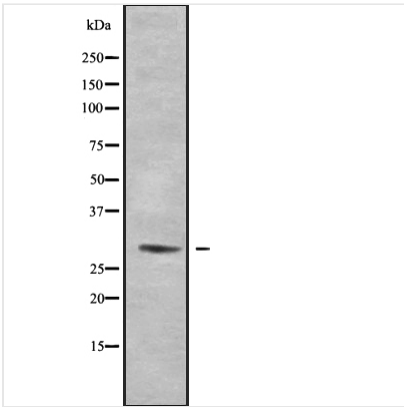
PRODUCT SYNONYMS

Rab 34; Polyclonal Antibody; Rab 34 Antibody; Rab-39; RAB34; member RAS oncogene family; RAB34_HUMAN; RAB39; RAH; Ras-related protein Rab-34; Ras-related protein Rab-39; Ras-related protein Rah; anti-RAB34 antibody

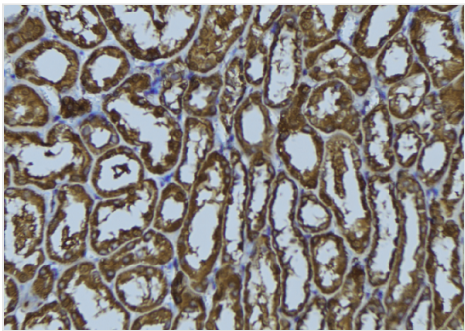
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Rab 34 antibody detects endogenous levels of total Rab 34
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	251
Applicable Applications for anti-RAB34 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Rab 34
Subcellular Location	Cytoplasm. Golgi Apparatus. Associates with the golgi complex.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of Rab 34 using HepG2 whole cell lysates



IHC (Immunohistochemistry)
AAA322604 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB34 antibody	Function: Protein transport. Involved in the redistribution of lysosomes to the peri-Golgi region (By similarity). Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis (PubMed:21255211). Plays a role in the fusion of phagosomes with lysosomes (PubMed:21255211). Acts also as a positive regulator of hedgehog signaling and regulates ciliary function (By similarity). Subunit Structure: Interacts with RILP. Similarity: Belongs to the small GTPase superfamily. Rab family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222144317
NCBI GeneID	83871
NCBI Accession #	NP_001138414.1
NCBI GenBank Nucleotide #	NM_001144942.1
UniProt Accession #	Q9BZG1; Q5BJE6; Q8NCJ8; Q96AR4; B4E3A0; E9PEJ9
Molecular Weight	Observed: 29 kDa Predicted: 30 kDa
NCBI Official Full Name	ras-related protein Rab-34 isoform 4
NCBI Official Synonym Full Names	RAB34, member RAS oncogene family
NCBI Official Symbol	RAB34
NCBI Official Synonym Symbols	RAH; NARR; RAB39
NCBI Protein Information	ras-related protein Rab-34
UniProt Protein Name	Ras-related protein Rab-34
UniProt Gene Name	RAB34
UniProt Synonym Gene Names	RAB39; RAH

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.