

Mouse RAB14 Monoclonal Antibody | anti-RAB14 antibody

RAB14 Antibody

CATALOG # AAA290839	HOST Mouse	REACTIVITY HumanPredicted: Chicken, Mouse, Bovine	APPLICATIONS ELISA, Western Blot
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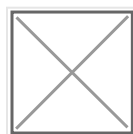
PRODUCT SYNONYMS

RAB14; Monoclonal Antibody; RAB14 Antibody; Ras-related protein Rab-14; anti-RAB14 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Predicted: Chicken, Mouse, Bovine
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1779CT692.32.86
Specificity	This RAB14 antibody is generated from a mouse immunized with a recombinant protein of human RAB14.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Sequence Length	215
Applicable Applications for anti-RAB14 antibody	ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Antigen Source	Human
Cellular Location	Recycling endosome. Early endosome membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus, trans-Golgi network membrane; Lipid-anchor; Cytoplasmic side. Cytoplasmic vesicle, phagosome. Note=Recruited to recycling endosomes by DENND6A (PubMed:22595670). Recruited to phagosomes containing S.aureus or M.tuberculosis (PubMed:21255211).
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

All lanes : Anti-RAB14 Antibody at 1:2000 dilution
Lane 1: Hela whole cell lysate
Lane 2: Raji whole cell lysate
Lane 3: human brain lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 24 kDa
Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB14 antibody	Involved in membrane trafficking between the Golgi complex and endosomes during early embryonic development. Regulates the Golgi to endosome transport of FGFR-containing vesicles during early development, a key process for developing basement membrane and epiblast and primitive endoderm lineages during early postimplantation development. May act by modulating the kinesin KIF16B-cargo association to endosomes (By similarity). Regulates, together with its guanine nucleotide exchange factor DENND6A, the specific endocytic transport of ADAM10, N-cadherin/CDH2 shedding and cell-cell adhesion.
Product Categories/Family for anti-RAB14 antibody	Crown Antibodies; Primary Antibodies; Signal Transduction
References	Proikas-Cezanne T.,et al.Submitted (MAY-1999) to the EMBL/GenBank/DDBJ databases. Ren Y.,et al.Submitted (NOV-1999) to the EMBL/GenBank/DDBJ databases. Huang Y.-P.,et al.Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases. Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548 (2000). Bechtel S.,et al.BMC Genomics 8:399-399 (2007).

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923483
NCBI GeneID	51552
NCBI Accession #	NP_057406.2
NCBI GenBank Nucleotide #	NM_016322.3
UniProt Accession #	P61106; P35287; Q5JVD4; Q6Q7K5; Q969L0; Q9UI11; B3KR31
Molecular Weight	23897 Da
NCBI Official Full Name	ras-related protein Rab-14
NCBI Official Synonym Full Names	RAB14, member RAS oncogene family
NCBI Official Symbol	RAB14
NCBI Official Synonym Symbols	FBP; RAB-14
NCBI Protein Information	ras-related protein Rab-14
UniProt Protein Name	Ras-related protein Rab-14
UniProt Gene Name	RAB14

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.