

Rabbit anti-Human, Mouse RAB23 Polyclonal Antibody | anti-RAB23 antibody

RAB23 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328130	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

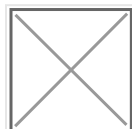
PRODUCT SYNONYMS

RAB23; Polyclonal Antibody; RAB23 Antibody; DKFZp781H0695; HSPC137; MGC8900; Rab 23; RAB family small GTP binding protein RAB 23; Rab23; member RAS oncogene family; RAB23_HUMAN; Ras related protein Rab 23; Ras-related protein Rab-23; anti-RAB23 antibody

PRODUCT SPECIFICATIONS

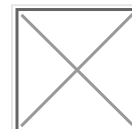
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	RAB23 antibody detects endogenous levels of total RAB23
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	237
Applicable Applications for anti-RAB23 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RAB23
Subcellular Location	Cell Membrane
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Bovine (83%), Horse (82%), Sheep (83%), Rabbit (92%), Dog (83%)
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 RAB23 using HepG2 whole cell lysates



IHC (Immunohistochemistry)

AAA328130 at 1/100 staining Mouse 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-RAB23 antibody	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 set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. Together with SUFU, prevents nuclear import of GLI1, and thereby inhibits GLI1 transcription factor activity. Regulates GLI1 in differentiating chondrocytes. Likewise, regulates GLI3 proteolytic processing and modulates GLI2 and GLI3 transcription factor activity. Plays a role in autophagic vacuole assembly, and mediates defense against pathogens, such as S.aureus, by promoting their capture by autophagosomes that then merge with lysosomes. Subunit Structure: Interacts with SUFU. Similarity: Belongs to the small GTPase superfamily. Rab family.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	523425714
NCBI GeneID	51715
NCBI Accession #	NP_001265595.1
NCBI GenBank Nucleotide #	NM_001278666.1
UniProt Accession #	Q9ULC3; Q68DJ6; Q8NI06; Q9P023; B2R9I5
Molecular Weight	Observed: 27 kDa Predicted: 27 kDa
NCBI Official Full Name	ras-related protein Rab-23
NCBI Official Synonym Full Names	RAB23, member RAS oncogene family
NCBI Official Symbol	RAB23
NCBI Official Synonym Symbols	HSPC137
NCBI Protein Information	ras-related protein Rab-23
UniProt Protein Name	Ras-related protein Rab-23
UniProt Gene Name	RAB23

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.