

Rabbit anti-Human, Rat RHOBTB3 Polyclonal Antibody | anti-RHOBTB3 antibody

RHOBTB3 Antibody

CATALOG # AAA322613	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

RHOBTB3; Polyclonal Antibody; RHOBTB3 Antibody; KIAA0878; Rho related BTB domain containing 3; Rho related BTB domain containing protein 3; RHOBTB 3; anti-RHOBTB3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RHOBTB3 antibody detects endogenous levels of total RHOBTB3
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	611
Applicable Applications for anti-RHOBTB3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RHOBTB3
Subcellular Location	Golgi Apparatus
Tissue Specificity	Ubiquitous. Highly expressed in neural and cardiac tissues, pancreas, placenta and testis.
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 RHOBTB3 using K562 whole cell lysates



IHC (Immunohistochemistry)

AAA322613 at 1/100 staining RAT testis 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-RHOBTB3 antibody	Function: Rab9-regulated ATPase required for endosome to Golgi transport. Involved in transport vesicle docking at the Golgi complex, possibly by participating in release M6PRBP1/TIP47 from vesicles to permit their efficient docking and fusion at the Golgi. Specifically binds Rab9, but not other Rab proteins. Has low intrinsic ATPase activity due to autoinhibition, which is relieved by Rab9. Subunit Structure: Interacts with RAB9A and RAB9B (at lower level compared to RAB9A-binding). Interacts with M6PRBP1/TIP47. Similarity: Although predicted to be a GTP-binding protein because of the presence of a Rho-like region, binds and hydrolyzes ATP. In contrast to Rho-like proteins, the conserved Asp residue in position 138 in the G4 region is replaced by an Asn, decreasing the ability to bind GTP.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115430108
NCBI GeneID	22836
NCBI Accession #	NP_055714.3
NCBI GenBank Nucleotide #	NM_014899.3
UniProt Accession #	O94955; Q8IW06; A0PJA4; A8K1W9
Molecular Weight	Observed: 70 kDa Predicted: 70 kDa
NCBI Official Full Name	rho-related BTB domain-containing protein 3
NCBI Official Synonym Full Names	Rho related BTB domain containing 3
NCBI Official Symbol	RHOBTB3
NCBI Protein Information	rho-related BTB domain-containing protein 3
UniProt Protein Name	Rho-related BTB domain-containing protein 3
UniProt Gene Name	RHOBTB3
UniProt Synonym Gene Names	KIAA0878

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.