

Rabbit RASD2 Polyclonal Antibody | anti-RASD2 antibody

RASD2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324090	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

RASD2; Polyclonal Antibody; RASD2 Antibody; GTP binding protein Rhes; GTP-binding protein Rhes; MGC:4834; OTTHUMP00000197925; Ras homolog enriched in striatum; RASD 2; RASD family member 2; Rhes; RHES_HUMAN; TEM 2; TEM2; Tumor endothelial marker 2; anti-RASD2 antibody

PRODUCT SPECIFICATIONS

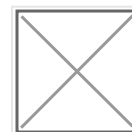
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RASD2 antibody detects endogenous levels of total RASD2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	266
Applicable Applications for anti-RASD2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Pancreatic endocrine cells (islets of Langerhans).
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (88%)
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 extracts from Jurkat cells, using RASD2 antibody.



IF (Immunofluorescence)

AAA324090 staining HeLa 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) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RASD2 antibody	Function: GTPase signaling protein that binds to and hydrolyzes GTP. Regulates signaling pathways involving G-proteins-coupled receptor and heterotrimeric proteins such as GNB1, GNB2 and GNB3. May be involved in selected striatal competencies, mainly locomotor activity and motor coordination. Subunit Structure: Monomer (Potential). Interacts with PIK3CA and UBE2I (By similarity). Interacts with GNB1, GNB2 and GNB3. Interacts with HTT; interacts with mutant HTT (mHTT) with a much higher affinity than wild type HTT. Post-translational Modifications: Farnesylated. Farnesylation is required for membrane targeting (By similarity). Similarity: Belongs to the small GTPase superfamily. RasD family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22027486
NCBI GeneID	23551
NCBI Accession #	NP_055125.2
NCBI GenBank Nucleotide #	NM_014310.4
UniProt Accession #	Q96D21; O95520; Q5THY8
Molecular Weight	Observed: 35 kD Predicted: 31 kDa
NCBI Official Full Name	GTP-binding protein Rhes
NCBI Official Synonym Full Names	RASD family member 2
NCBI Official Symbol	RASD2
NCBI Official Synonym Symbols	Rhes; TEM2
NCBI Protein Information	GTP-binding protein Rhes
UniProt Protein Name	GTP-binding protein Rhes
UniProt Gene Name	RASD2
UniProt Synonym Gene Names	TEM2

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.