

Rabbit STRA6 Polyclonal Antibody | anti-STRA6 antibody

STRA6 Antibody

CATALOG # AAA328734	HOST Rabbit	REACTIVITY Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

STRA6; Polyclonal Antibody; STRA6 Antibody; MCOPCB8; MCOPS9; PP14296; Stimulated by retinoic acid 6 homolog; Stimulated by retinoic acid gene 6 protein homolog; STRA6_HUMAN; anti-STRA6 antibody

PRODUCT SPECIFICATIONS

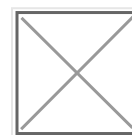
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep
Clonality	Polyclonal
Isotype	IgG
Specificity	STRA6 Antibody detects endogenous levels of STRA6.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
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	667
Applicable Applications for anti-STRA6 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human STRA6.
Tissue Specificity	Broad expression. In adult eye expressed in sclera, retina, retinal pigment epithelium, and trabecular meshwork but not in choroid and iris.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Plasma Membrane
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 Mouse liver tissue?, using STRA6 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from Rat spleen, using STRA6 Antibody. The lane on the left was treated with blocking peptide.Observed bands: 70 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-STRA6 antibody	Description: Functions as retinol transporter. Accepts all-trans retinol from the extracellular retinol-binding protein RBP4, facilitates retinol transport across the cell membrane, and then transfers retinol to the cytoplasmic retinol-binding protein RBP1 (PubMed:9452451, PubMed:18316031, PubMed:22665496). Retinol uptake is enhanced by LRAT, an enzyme that converts retinol to all-trans retinyl esters, the storage forms of vitamin A (PubMed:18316031, PubMed:22665496). Contributes to the activation of a signaling cascade that depends on retinol transport and LRAT-dependent generation of retinol metabolites that then trigger activation of JAK2 and its target STAT5, and ultimately increase the expression of SOCS3 and inhibit cellular responses to insulin (PubMed:21368206, PubMed:22665496). Important for the homeostasis of vitamin A and its derivatives, such as retinoic acid (PubMed:18316031). STRA6-mediated transport is particularly important in the eye, and under conditions of dietary vitamin A deficiency (Probable). Does not transport retinoic acid (PubMed:18316031). Post Translational Modifications: Phosphorylated on tyrosine residues in response to RBP4 binding (PubMed:21368206, PubMed:22665496). Phosphorylation requires the presence of LRAT, suggesting it may be triggered by the uptake of retinol that is then metabolized within the cell to retinoids that function as signaling molecules (PubMed:22665496). Subunit Structure: Homodimer (By similarity). Interacts with JAK2 and STAT5 (PubMed:21368206). Interacts (via extracellular domains) with RBP4 (PubMed:22665496). Interacts (via cytoplasmic domains) with RBP1 (PubMed:22665496). Similarity: Contrary to predictions, contains nine transmembrane helices, with an extracellular N-terminus and a cytoplasmic C-terminus (By similarity). Besides, contains one long helix that dips into the membrane and then runs more or less parallel to the membrane surface (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	217330578
NCBI GeneID	64220
NCBI Accession #	NP_071764.3
NCBI GenBank Nucleotide #	NP_071764.3
UniProt Accession #	Q9BX79
Molecular Weight	Observed: 95 kDa Predicted: 74 kDa
NCBI Official Full Name	receptor for retinol uptake STRA6 isoform a
NCBI Official Synonym Full Names	stimulated by retinoic acid 6
NCBI Official Symbol	STRA6
NCBI Official Synonym Symbols	MCOPS9; MCOPCB8; PP14296
NCBI Protein Information	receptor for retinol uptake STRA6
UniProt Protein Name	Stimulated by retinoic acid gene 6 protein homolog
UniProt Gene Name	STRA6
UniProt Entry Name	STRA6_HUMAN

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.