

Rabbit S1PR2 Polyclonal Antibody | anti-S1PR2 antibody

S1PR2 Antibody

CATALOG # AAA40843	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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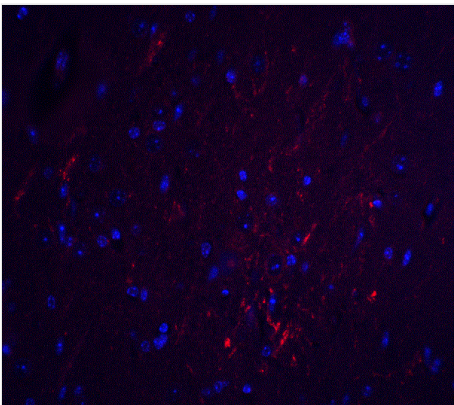
PRODUCT SYNONYMS

S1PR2; Polyclonal Antibody; S1PR2 Antibody; Sphingosine 1-phosphate receptor 2; S1P2; AGR16; EDG-5; EDG5; Gpcr13; H218; LPB2; anti-S1PR2 antibody

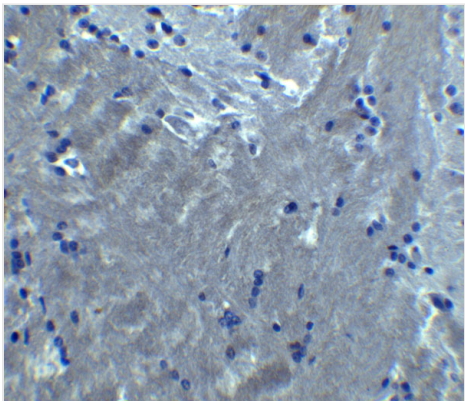
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	S1PR2 antibody is human, mouse and rat reactive.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	353
Applicable Applications for anti-S1PR2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	S1PR2 antibody was raised against an 16 amino acid peptide near the carboxy terminus of human S1PR2.
Buffer	Supplied in PBS containing 0.02% sodium azide.
Positive Control 1	HeLa Cell Lysate
Conjugate	Unconjugated
MW Explanation	Multiple transmembrane protein, also multiple other S1PR2 antibodies also show a ~50kD band
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year.

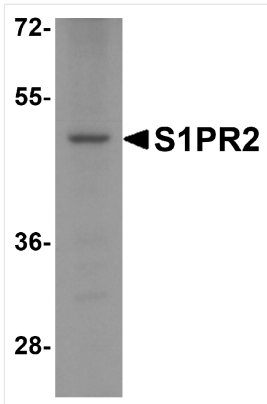
IMAGES



IF (Immunofluorescence)
Immunofluorescence of S1PR2 in mouse brain tissue with S1PR2 antibody at 20 μg/ml.Red: S1PR2 Antibody (8229)Blue: DAPI staining



IHC (Immunohistochemistry)
Immunohistochemistry of S1PR2 in mouse brain tissue with S1PR2 antibody at 10 μg/ml.



WB (Western Blot)
Western blot analysis of S1PR2 in HeLa cell lysate with S1PR2 antibody at 1 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-S1PR2 antibody	The Sphingosine 1-phosphate receptor 2 (S1PR2) protein was initially identified as G-protein coupled receptor thought to be involved in development (1) and was found to mediate sphingosine 1-phosphate (SPP)-induced cell rounding and neurite retraction (2). S1PR2 and the related protein S1PR3 (also known as EDG3) are also thought to mediate the SPP-induced cell proliferation, survival, and related signaling events (3). S1PR2 has also been found to be key regulator in acute vascular inflammation and may be a novel therapeutic target for vascular disorders (4).
Product Categories/Family for anti-S1PR2 antibody	Stem Cell ; Signal Transduction ; Immunology
References	MacLennan AJ, Browe CS, Gaskin AA, et al. Cloning and characterization of a putative G-protein coupled receptor potentially involved in development. Mol. Cell Neurosci. 1994; 5:201-9. Van Brocklyn JR, Tu Z, Edsall LC, et al. Sphingosine 1-phosphate-induced cell rounding and neurite retraction are mediated by the G protein-coupled receptor H218. J. Biol. Chem. 1999; 274:4626-32. An S, Zheng Y, and Bleu T. Sphingosine 1-phosphate-induced cell proliferation, survival, and related signaling events mediated by G protein-coupled receptors Edg3 and Edg5. J. Biol. Chem. 275:288-96. Zhang G, Yang L, Kim GS, et al. Critical role of sphingosine-1-phosphate receptor 2 (S1PR2) in acute vascular inflammation. Blood 2013; 122:443-55.

NCBI AND UNIPROT INFORMATION

NCBI GI #	134244587
NCBI GeneID	9294
NCBI Accession #	NP_004221

NCBI GenBank Nucleotide #	NM_004230.3
UniProt Accession #	O95136 ; Q86UN8
Molecular Weight	Predicted: 39 kDa Observed: 50 kDa
NCBI Official Full Name	sphingosine 1-phosphate receptor 2
NCBI Official Synonym Full Names	sphingosine-1-phosphate receptor 2
NCBI Official Symbol	S1PR2
NCBI Official Synonym Symbols	EDG5; H218; LPB2; S1P2; AGR16; EDG-5; DFNB68; Gpcr13
NCBI Protein Information	sphingosine 1-phosphate receptor 2
UniProt Protein Name	Sphingosine 1-phosphate receptor 2
UniProt Gene Name	S1PR2
UniProt Synonym Gene Names	EDG5; S1P receptor 2; S1P2; S1P receptor Edg-5
UniProt Entry Name	S1PR2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/s1pr2-antibody-immunohistochemistry-western-blot-elisa/40843>