

S1PR5 / EDG8 / S1P5 Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10087**Specification**

S1PR5 / EDG8 / S1P5 Antibody (Cytoplasmic Domain) - Product Information

Application	IHC-P
Primary Accession	Q9H228
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42kDa KDa
Dilution	IHC-P~~N/A

S1PR5 / EDG8 / S1P5 Antibody (Cytoplasmic Domain) - Additional Information**Gene ID** 53637**Other Names**

Sphingosine 1-phosphate receptor 5, S1P receptor 5, S1P5, Endothelial differentiation G-protein-coupled receptor 8, Sphingosine 1-phosphate receptor Edg-8, S1P receptor Edg-8, S1PR5, EDG8

Target/Specificity

Human S1PR5 / EDG8. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except DKK3 (61%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

S1PR5 / EDG8 / S1P5 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

S1PR5 / EDG8 / S1P5 Antibody (Cytoplasmic Domain) - Protein Information**Name** S1PR5**Synonyms** EDG8**Function**

Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. Is coupled to both the G(i/o)alpha and G(12) subclass of heteromeric G-proteins (By similarity). May play a regulatory role in the transformation of radial glial cells into astrocytes and may affect proliferative activity of these cells.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Widely expressed in the brain, most prominently in the corpus callosum, which is predominantly white matter. Detected in spleen, peripheral blood leukocytes, placenta, lung, aorta and fetal spleen. Low-level signal detected in many tissue extracts Overexpressed in leukemic large granular lymphocytes. Isoform 1 is predominantly expressed in peripheral tissues. Isoform 2 is expressed in brain, spleen and peripheral blood leukocytes

Volume

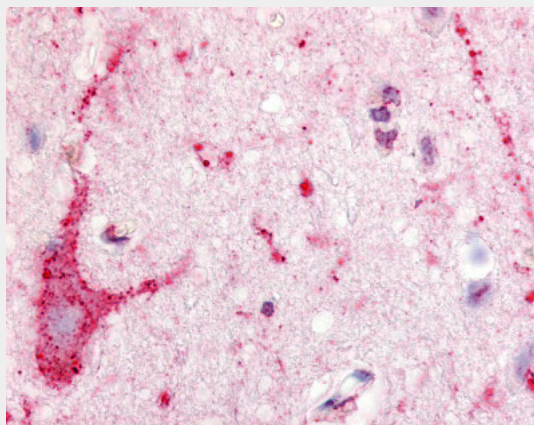
50 µl

S1PR5 / EDG8 / S1P5 Antibody (Cytoplasmic Domain) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

S1PR5 / EDG8 / S1P5 Antibody (Cytoplasmic Domain) - Images



Anti-S1PR5 / EDG8 antibody ALS10087 IHC of human brain, neuron and glia.

S1PR5 / EDG8 / S1P5 Antibody (Cytoplasmic Domain) - Background

Receptor for the lysosphingolipid sphingosine 1- phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. Is coupled to both the G(i/o)alpha and G(12) subclass of heteromeric G-proteins (By similarity). May play a regulatory role in the transformation of radial glial cells into astrocytes and may affect proliferative activity of these cells.

S1PR5 / EDG8 / S1P5 Antibody (Cytoplasmic Domain) - References

Kothapalli R.,et al.Biochim. Biophys. Acta 1579:117-123(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Im D.-S.,et al.Biochemistry 40:14053-14060(2001).
Kopatz S.A.,et al.Submitted (MAR-2003) to the EMBL/GenBank/DDBJ databases.
Takeda S.,et al.FEBS Lett. 520:97-101(2002).