

S1PR5 / EDG8 / S1P5 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10699**Specification**

S1PR5 / EDG8 / S1P5 Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	Q9H228
Reactivity	Human, Monkey, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42kDa KDa

S1PR5 / EDG8 / S1P5 Antibody (N-Terminus) - 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, S1PR5, EDG8

Target/Specificity

Human S1PR5 / EDG8. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

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

S1PR5 / EDG8 / S1P5 Antibody (N-Terminus) - 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

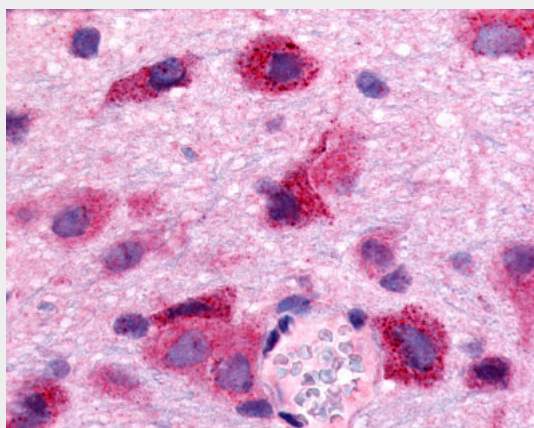
Volume

50 µl

S1PR5 / EDG8 / S1P5 Antibody (N-Terminus) - 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 (N-Terminus) - Images

Anti-S1PR5 / EDG8 antibody ALS10699 IHC of rat brain, neurons and glia.

S1PR5 / EDG8 / S1P5 Antibody (N-Terminus) - 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 (N-Terminus) - 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).