10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# 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, S1P 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/0)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

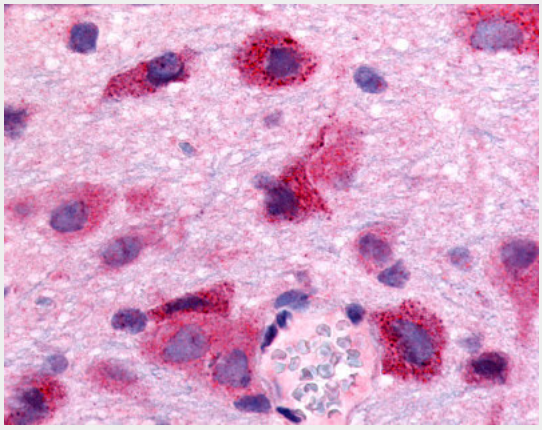
**Volume**
50 µl

## 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 Cytomety
- 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/0)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).