

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

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

Application	IHC
Primary Accession	<a href="#">Q9H228</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42kDa KDa

**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

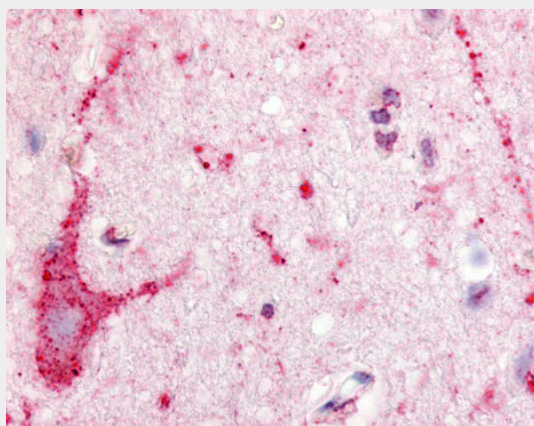
**Volume**

50  $\mu$ l

**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).  
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Takeda S.,et al.FEBS Lett. 520:97-101(2002).