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S1PR5 / EDG8 / S1P5 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS11419

Specification

S1PR5 / EDG8 / S1P5 Antibody - Product Information

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

S1PR5 / EDG8 / S1P5 Antibody - 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

Reconstitution & Storage
Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions
S1PR5 / EDG8 / S1P5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

S1PR5 / EDG8 / S1P5 Antibody - 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

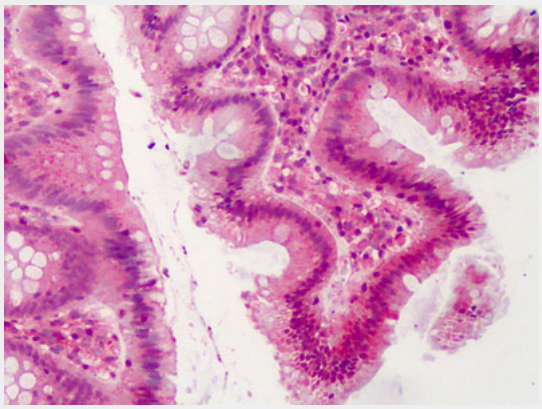
spleen. Low-level signal detected in many tissue extracts Overexpressed in leukemic large granular lymphocytes. Isoform 1 is predominantly expressed in peripheral tissues. Isoform 2 is expressed in brain, spleen and peripheral blood leukocytes

S1PR5 / EDG8 / S1P5 Antibody - Protocols

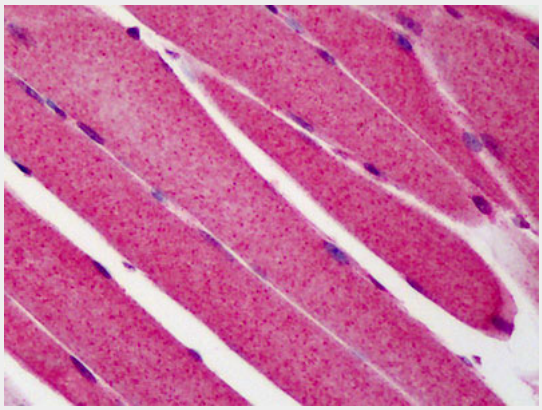
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

S1PR5 / EDG8 / S1P5 Antibody - Images



Anti-S1PR5 / EDG8 antibody IHC of human colon.



Anti-S1PR5 / EDG8 antibody IHC of human skeletal muscle.

S1PR5 / EDG8 / S1P5 Antibody - 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 - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).
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