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EDG8 / SPPR1 Antibody (internal region, near C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2990a

Specification

EDG8 / SPPR1 Antibody (internal region, near C-Term) - Product Information

Application	**WB, E**
Primary Accession	Q9H228
Other Accession	NP_110387.1, 53637
Reactivity	**Human**
Predicted	**Pig**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**41775**

EDG8 / SPPR1 Antibody (internal region, near C-Term) - 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

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
EDG8 / SPPR1 Antibody (internal region, near C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

EDG8 / SPPR1 Antibody (internal region, near C-Term) - 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.

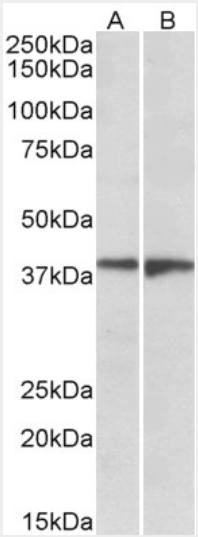
Tissue Location
Widely expressed in the brain, most prominently in the corpus callosum, which is predominantly white matter. Detected in spleen, peripheral blood leukocytes, placenta, lung, aorta and fetal spleen. Low-level signal detected in many tissue extracts Overexpressed in leukemic large granular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

EDG8 / SPPR1 Antibody (internal region, near C-Term) - 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

EDG8 / SPPR1 Antibody (internal region, near C-Term) - Images



AF2990a (1 µg/ml) staining of Human Frontal Cortex (A) and Amygdala (B) lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EDG8 / SPPR1 Antibody (internal region, near C-Term) - References

FTY720 modulates human oligodendrocyte progenitor process extension and survival. Miron VE,

Jung CG, Kim HJ, Kennedy TE, Soliven B, Antel JP. Annals of neurology 2008 Jan 63 (1): 61-71. PMID: 17918267