

Product datasheet for **TA321693**

EDG3 (S1PR3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Human fetal brain tissue IHC: 25-100 Positive control: Human cervical cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 222-236 amino acids of human sphingosine-1-phosphate receptor 3
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42 kDa
Gene Name:	sphingosine-1-phosphate receptor 3
Database Link:	NP_005217 Entrez Gene 13610 Mouse Entrez Gene 1903 Human Q99500



[View online »](#)

Background:

This gene encodes a member of the EDG family of receptors; which are G protein-coupled receptors. This protein has been identified as a functional receptor for sphingosine 1-phosphate and likely contributes to the regulation of angiogenesis and vascular endothelial cell 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. When expressed in rat HTC4 hepatoma cells; is capable of mediating S1P-induced cell proliferation and suppression of apoptosis.

Synonyms:

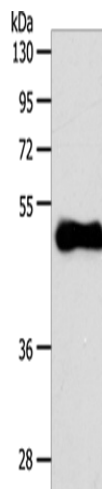
EDG-3; EDG3; LPB3; S1P3

Protein Families:

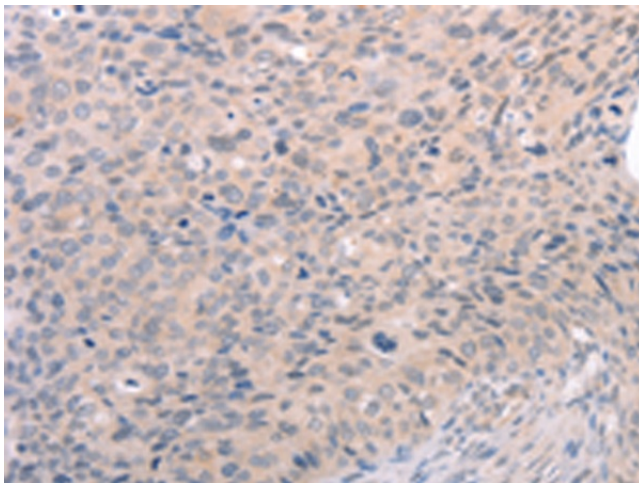
Druggable Genome, GPCR, Transmembrane

Protein Pathways:

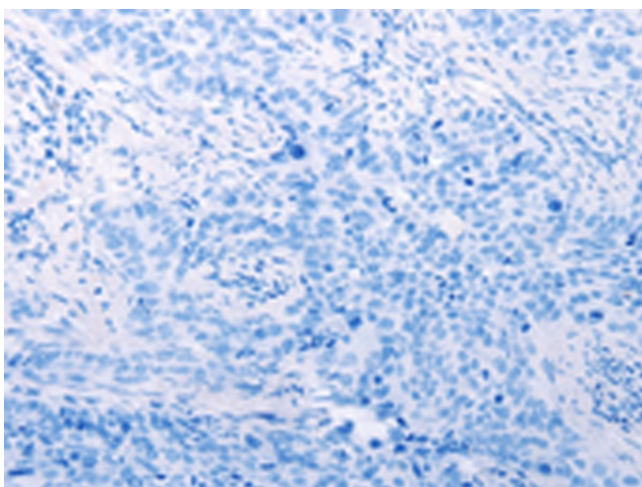
Neuroactive ligand-receptor interaction

Product images:

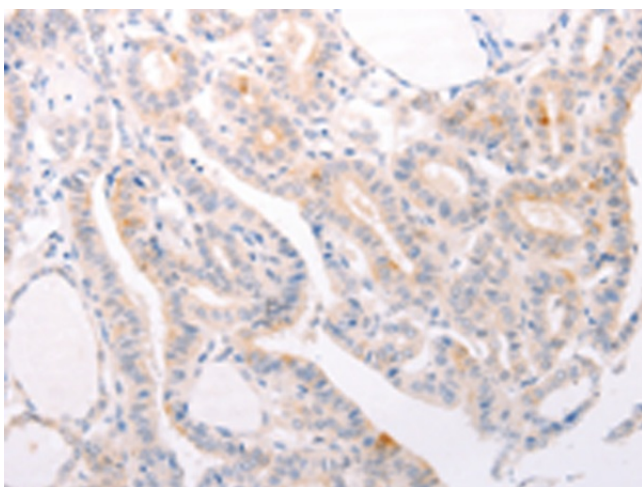
Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane: Human fetal brain tissue
Primary antibody: TA321693 (S1PR3 Antibody) at dilution 1/700
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 20 seconds



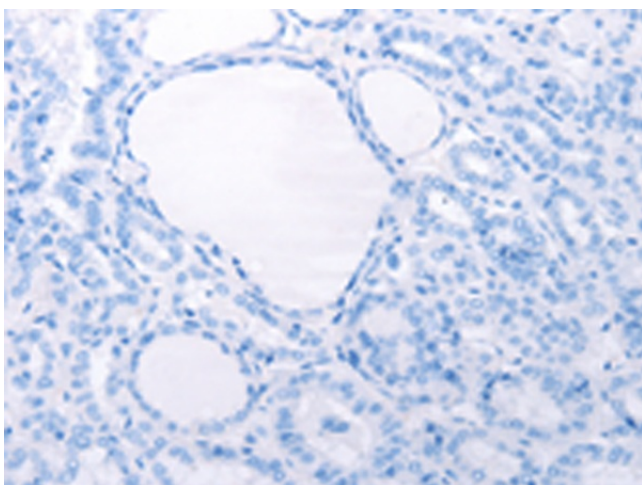
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA321693 (S1PR3 Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA321693 (S1PR3 Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA321693 (S1PR3 Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA321693 (S1PR3 Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: ×200)