



EDG-8 rabbit pAb

Cat No.:ES6624

For research use only

Overview

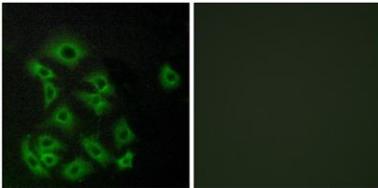
Product Name	EDG-8 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human EDG8. AA range:335-384
Specificity	EDG-8 Polyclonal Antibody detects endogenous levels of EDG-8 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Sphingosine 1-phosphate receptor 5
Gene Name	S1PR5
Cellular localization	Cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	53637
Human Swiss-Prot Number	Q9H228
Alternative Names	S1PR5; EDG8; 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
Background	The lysosphingolipid sphingosine 1-phosphate (S1P) regulates cell proliferation, apoptosis, motility, and neurite retraction. Its actions may be both





intracellular as a second messenger and extracellular as a receptor ligand. S1P and the structurally related lysolipid mediator lysophosphatidic acid (LPA) signal cells through a set of G protein-coupled receptors known as EDG receptors. Some EDG receptors (e.g., EDG1; MIM 601974) are S1P receptors; others (e.g., EDG2; MIM 602282) are LPA receptors.[supplied by OMIM, Mar 2008],

Immunofluorescence analysis of A549 cells, using EDG8 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using EDG8 Antibody. The picture on the right is blocked with the synthesized peptide.

