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Product datasheet for AP05084PU-N

EDG8 (S1PR5) Rabbit Polyclonal Antibody

Product data:

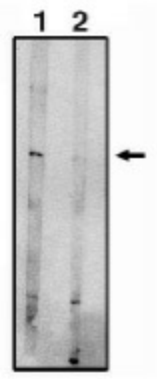
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 5 - 10 µg/ml; detects recombinant EDG-8 receptors at 42 kDa; Due to low expression of EDG receptors, we recommend use of Pierce Femto Signal substrate for western blot development.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Unique synthetic peptide derived from the C-terminus of the human EDG-8 protein
Specificity:	This antibody reacts to EDG8.
Formulation:	Phosphate buffered saline with 0.08% sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20°C only. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	sphingosine-1-phosphate receptor 5
Database Link:	Entrez Gene 53637 Human Q9H228

View online »

Background: Endothelial Cell Differentiation Gene-8 (EDG-8) belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG-8 is sphingosine-1-phosphate. There are 8 known members of the EDG receptor family and they are implicated in mediating growth related effects such as induction of cellular proliferation, alterations in differentiation and survival and suppression of apoptosis. They also evoke cellular effector functions that are dependent on cytoskeletal responses such as contraction, secretion, adhesion and chemotaxis. EDG receptors are developmentally regulated and differ in tissue distribution. They couple to multiple types of G proteins to signal through ras and MAP kinase, rho, phospholipase C and several protein tyrosine kinases. EDG-8 is expressed in oligodendrocytes and fibrous astrocytes in the rat brain.

Synonyms: S1P receptor 5, EDG8, SPPR-1, SPPR-2, S1PR5

Product images:



Western blot analysis using anti-EDG-8 CT antibody on RH7777 cell lysates transfected with full length human EDG-8 (1) and blocked with blocking peptide (2) using Pierce Femto Signal substrate.