

Product datasheet for **AP05160PU-N**

EDG6 (S1PR4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 5 - 10 µg/ml; Detects an approximately 42 kDa band on RH7777 cells transfected with full-length EDG-6. 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:	Synthetic peptide derived from the intermediate region of the EDG6 (S1P4) protein.
Specificity:	This antibody reacts to EDG-6 / S1P4 / S1PR4.
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 4
Database Link:	Entrez Gene 8698 Human O95977



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Background:

EDG6 (S1P4) belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG6 (S1P4) 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. EDG6 (S1P4) is expressed in lymphoid and hematopoietic tissue and in the lungs.

Synonyms:

EDG-6