

## Product datasheet for **AP05159PU-N**

### EDG3 (S1PR3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 5 - 10 µg/ml; Due to low expression of EDG receptors, we recommend use of Pierce Femto Signal substrate for western blot development.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from the N terminal of the EDG3 (S1P3) protein.
Specificity:	This antibody reacts to EDG-3 / S1P3 / S1PR3.
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 3
Database Link:	<a href="#">Entrez Gene 1903 Human Q99500</a>



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**Background:**

Endothelial cell differentiation gene-3 (EDG3) belongs to a family of G-protein couple receptors whose ligands are lysophospholipids. The ligand for EDG3 is sphingosine-1-phosphate. There are 8 known members of the EDG receptor family. They have been implicated in mediating growth related effects such as induction of cellular proliferation, alterations in differentiation and survival 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. The couple to multiple types of G proteins to signal through ras and MAP kinase, rho, phospholipase C and several protein tyrosine kinases. EDG3 is expressed in cardiovascular, leukocyte-containing and other tissues.

**Synonyms:**

S1P receptor 3, S1PR3, EDG3, LPB3, FLJ37523, FLJ93220, MGC71696