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Product datasheet for AP01309PU-N

EDG3 (S1PR3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	**IHC:** 1:50~1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 120-173 of Human EDG-3.
Specificity:	This antibody detects endogenous levels of EDG-3 protein. (region surrounding Phe155)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.02% Sodium Azide, 50% glycerol
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~42 kDa
Gene Name:	sphingosine-1-phosphate receptor 3
Database Link:	Entrez Gene 1903 Human Q99500

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Background: EDG3 belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG3 is sphingosine-1-phosphate. There are eight 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. EDG3 is expressed in heart, placenta, kidney, and liver tissue.

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