

EDG3 Rabbit pAb

Catalog # AP98842

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q99500
Other Accession	Q99500
Reactivity	Rat, Human, Mouse
Predicted	Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42250
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EDG3
Epitope Specificity	145-250/378
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the EDG family of receptors, which are G protein-coupled receptors. This protein has been identified as a functional receptor for sphingosine 1-phosphate and likely contributes to the regulation of angiogenesis and vascular endothelial cell function. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	1903
Other Names	S1PR3_HUMAN; S1PR3; S1P receptor 3; S1P3; Endothelial differentiation G-protein coupled receptor 3; Sphingosine 1-phosphate receptor Edg-3 (S1P receptor Edg-3); C9orf108; C9orf47; EDG3; S1PR3_MOUSE; Lysophospholipid receptor B3; Lpb3; sphingosine-1-phosphate receptor 3; endothelial differentiation, sphingolipid G-protein-coupled receptor, 3; chromosome 9 open reading frame 47; chromosome 9 open reading frame 108
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=0.2 u/test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	S1PR3 (HGNC:3167)
Function	Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. When expressed in rat HTC4 hepatoma cells, is capable of mediating S1P-induced cell proliferation and suppression of apoptosis.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Expressed in all tissues, but most abundantly in heart, placenta, kidney, and liver

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.