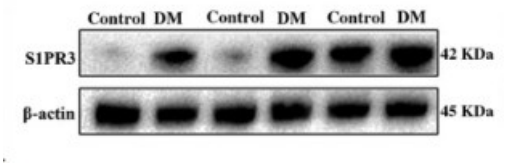
EDG-3 Polyclonal Antibody

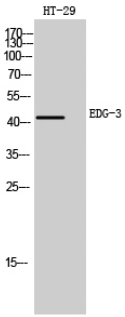
Catalog No	YP-Ab-13204
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IF;ELISA
Gene Name	S1PR3
Protein Name	Sphingosine 1-phosphate receptor 3
Immunogen	The antiserum was produced against synthesized peptide derived from human EDG3. AA range:115-164
Specificity	EDG-3 Polyclonal Antibody detects endogenous levels of EDG-3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	S1PR3; EDG3; Sphingosine 1-phosphate receptor 3; S1P receptor 3; S1P3; Endothelial differentiation G-protein coupled receptor 3; Sphingosine 1-phosphate receptor Edg-3; S1P receptor Edg-3
Observed Band	42kD
Cell Pathway	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Expressed in all tissues, but most abundantly in heart, placenta, kidney, and liver.
Function	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.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed in all tissues, but most abundantly in heart, placenta, kidney, and liver.,
Background	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],

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

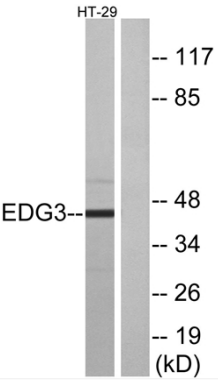
Products Images



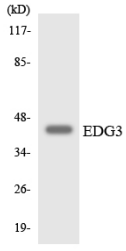
Yuan Chang, Hu, et al. "Hyperglycemia Triggered S1P/S1PR3 Signaling Worsens Liver Ischemia/Reperfusion Injury by Regulating M1/M2 Polarization." Chao and Yang, Shikun and Cheng, Xuyu and Cheng, Feng and Rao, Jianhua and Wang, Xue-Hao, Hyperglycemia Triggered S1P/S1PR3 Signaling Worsens Liver Ischemia/Reperfusion Injury by Regulating M 1 (2018).



Western Blot analysis of HT-29 cells using EDG-3 Polyclonal Antibody



Western blot analysis of lysates from HT-29 cells, using EDG3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using EDG3 antibody.