

EDG-3 Polyclonal Antibody

Catalog No :	YT1462
Reactivity :	Human;Mouse;Rat
Applications :	WB;IF;ELISA
Target :	EDG-3
Fields :	>>Sphingolipid signaling pathway;>>Neuroactive ligand-receptor interaction
Gene Name :	S1PR3
Protein Name :	Sphingosine 1-phosphate receptor 3
Human Gene Id :	1903
Human Swiss Prot No :	Q99500
Mouse Gene Id :	13610
Mouse Swiss Prot No :	Q9Z0U9
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
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 42kD

Cell Pathway : Neuroactive ligand-receptor interaction;

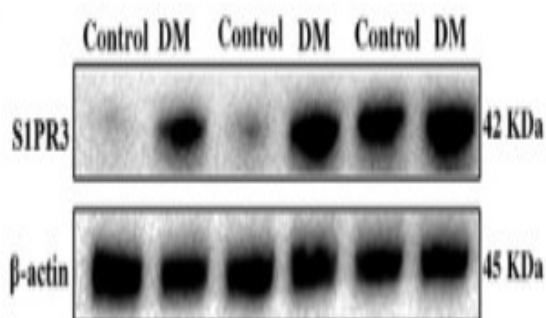
Background : This gene encodes a member of the EDG family of receptors, which are G protein-coupled receptors. This protein has been identified as a functional receptor for sphingosine 1-phosphate and likely contributes to the regulation of angiogenesis and vascular endothelial cell function. [provided by RefSeq, Jul 2008],

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.,

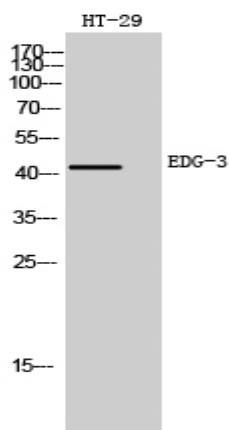
Subcellular Location : Cell membrane; Multi-pass membrane protein.

Expression : Expressed in all tissues, but most abundantly in heart, placenta, kidney, and liver.

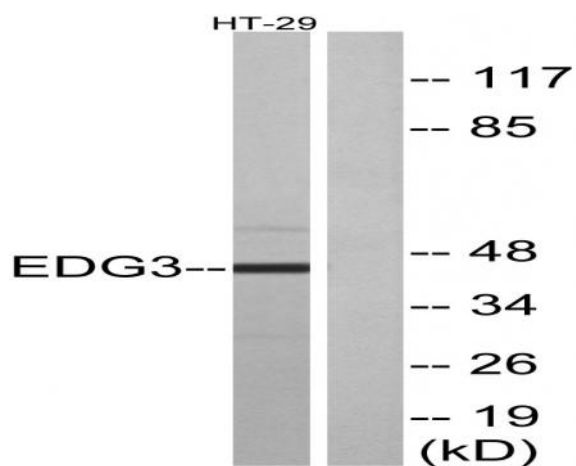
Products Images



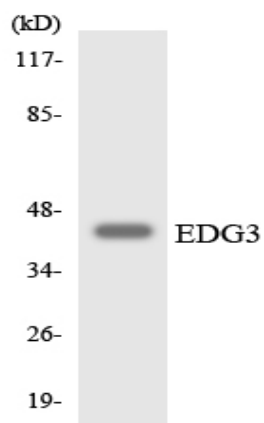
Yuan Chang, Hu, et al. "Hyperglycemia Triggered S1P/S1PR3 Signaling Worsens Liver Ischemia/Reperfusion Injury by Regulating M1/M2 Polarization." Chao and Yang, Shikun and Cheng, Xuyu and Cheng, Feng and Rao, Jianhua and Wang, Xue-Hao, Hyperglycemia Triggered S1P/S1PR3 Signaling Worsens Liver Ischemia/Reperfusion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