EDG-3 Rabbit pAb

CatalogNo: YT1462 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IF,ELISA

MW
- 42kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IF 1:200-1:1000
ELISA 1:40000
Not yet tested in other applications.

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

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.

Target Information

Gene name S1PR3

Protein Name Sphingosine 1-phosphate receptor 3

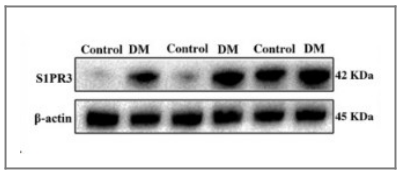
Organism	Gene ID	UniProt ID
Human	1903;	Q99500;
Mouse	13610;	Q9Z0U9;

Cellular Localization Cell membrane; Multi-pass membrane protein.

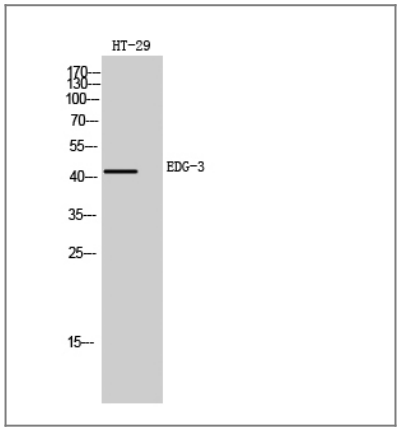
Tissue specificity Expressed in all tissues, but most abundantly in heart, placenta, kidney, and liver.

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.,

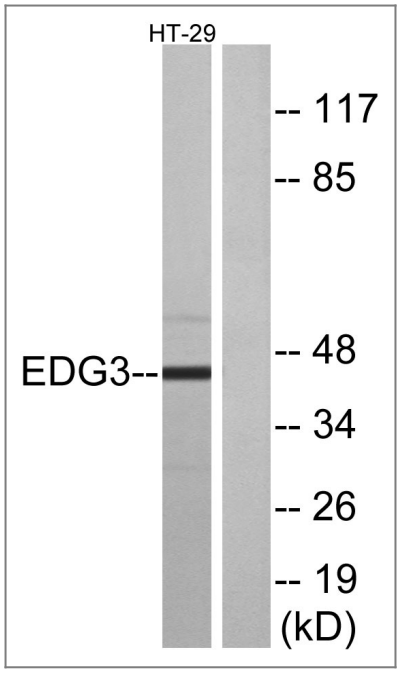
Validation Data



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.

Contact information

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Please scan the QR code to access additional product information:
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