bs-7541R

[Primary Antibody]

EDG3 Rabbit pAb



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– DATASHEET ––––––		400-501-5800
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GenelD: 1903	SWISS: Q99500	IF (1:100-500)
Target: EDG3	-	Flow-Cyt (0.2u/test)
Immunogen: KLH conjugated synthetic peptide derived from human EDG3: 145-250/378. < Extracellular >		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Cow)
Purification: affinity purified by	Protein A	
Concentration: 1mg/ml		Predicted
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated		Subcellular
freeze/thaw cycles Background: This gene encodes are G protein-coup as a functional rec contributes to the and othelial coll fur	a member of the EDG family of receptors, which led receptors. This protein has been identified eptor for sphingosine 1-phosphate and likely regulation of angiogenesis and vascular pattion [provided by PofSon Jul 2008]	Location:

- VALIDATION IMAGES



Sample: Lane1: Heart (Mouse) Lysate at 40 ug Primary: Anti-EDG3 (bs-7541R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 42 kD Observed band size: 46 kD



Sample: Lane 1: Cerebrum (Rat) Lysate at 40 ug Lane 2: Cerebrum (Mouse) Lysate at 40 ug Lane 3: Heart (Rat) Lysate at 40 ug Lane 4: Heart (Mouse) Lysate at 40 ug Primary: Anti-EDG3 (bs-7541R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 46 kD



Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37 ∩ for 20 min; Incubation: Anti-EDG3 Polyclonal Antibody, Unconjugated(bs-7541R) 1:200, overnight at 4 Σ C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: Hela. Primary Antibody (green line): Rabbit Anti-EDG3 antibody (bs-7541R) Dilution: 0.2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min

- SELECTED CITATIONS -

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- **[IF=6.117]** Arianna Mazzoli. et al. SKELETAL MUSCLE INSULIN RESISTANCE AND ADIPOSE TISSUE HYPERTROPHY PERSIST BEYOND THE RESHAPING OF GUT MICROBIOTA IN YOUNG RATS FED A FRUCTOSE-RICH DIET. J NUTR BIOCHEM. 2022 Dec;:109247 WB ;Rat. 36496062
- [IF=4.074] Dingkang Xu. et al. Sphingosine 1 phosphate receptor 3 is implicated in BBB injury via the CCL2 CCR2 axis following acute intracerebral hemorrhage. 2021 Feb 28 WB, IF, IHC ;Human. 33645008
- [IF=3.612] Hai B. Tran. et al. Dysregulated zinc and sphingosine-1-phosphate signaling in pulmonary hypertension: Potential effects by targeting of bone morphogenetic protein receptor type 2 in pulmonary microvessels. 2021 Aug 15 IF ;Rat. 34347342
- [IF=3.388] Xiao et al. Fingolimod Suppresses a Cascade of Core Vicious Cycle in Dry Eye NOD Mouse Model: Involvement of Sphingosine-1-Phosphate Receptors in Infiltrating Leukocytes. (2017) Invest.Ophthalmol.Vis.Sci. 58:6123-6132 IHC ;Mouse. 29214311