

bs-7541R**[Primary Antibody]**

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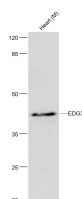
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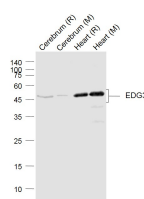
EDG3 Rabbit pAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 1903**SWISS:** Q99500**Target:** EDG3**Immunogen:** KLH conjugated synthetic peptide derived from human EDG3: 145-250/378. < Extracellular >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

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 freeze/thaw cycles.

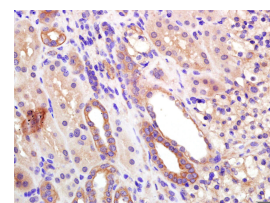
Background: This gene encodes a member of the EDG family of receptors, which are G protein-coupled receptors. This protein has been identified as a functional receptor for sphingosine 1-phosphate and likely contributes to the regulation of angiogenesis and vascular endothelial cell function. [provided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

Applications: WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (0.2u/test)**Reactivity:** Human, Mouse, Rat
(predicted: Rabbit, Cow)**Predicted MW.:** 42 kDa**Subcellular Location:** Cell membrane**VALIDATION IMAGES**

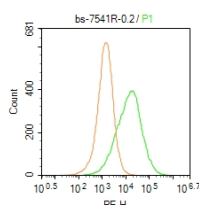
Sample: Lane1: Heart (Mouse) Lysate at 40 ug
Primary: Anti-EDG3 (bs-7541R) at 1/300 dilution
Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 42 kD Observed band size: 46 kD



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 paraffin-embedded; 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°C for 20 min; Incubation: Anti-EDG3 Polyclonal Antibody, Unconjugated(bs-7541R) 1:200, overnight at 4°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 /10⁶ 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 room temperature .Cells stained with Primary Antibody for 30 min

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

at room temperature. The secondary antibody
used for 40 min at room temperature.
Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=8.8]** Jose Castro-Vildosola. et al. Sphingosine-1-phosphate receptor 3 activation promotes sociability and regulates transcripts important for anxiolytic-like behavior. BRAIN BEHAV IMMUN. 2025 Feb;124:205 IF ;Mouse. 39638159
- **[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