
PAFR/PAF Receptor Rabbit pAb

Catalog Number: bs-1478R

Target Protein: PAFR/PAF Receptor

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg/Test)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Cow, Chicken, Dog)

Predicted MW: 38 kDa

Entrez Gene: 5724

Swiss Prot: P25105

Source: KLH conjugated synthetic peptide derived from human PAFR: 231-342/342.

Purification: affinity purified by Protein A

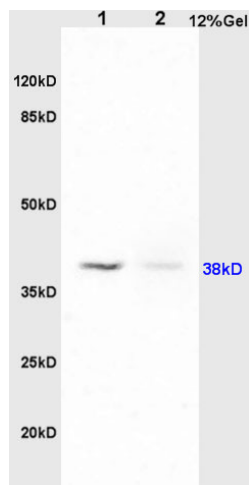
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

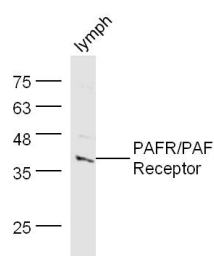
Background: The PAF receptor binds platelet-activating factor (PAF) and is thought to mediate its action via a G protein that activates a phosphatidylinositol-calcium second messenger system. PAF is a chemotactic phospholipid mediator that possesses potent inflammatory, smooth-muscle contractile and hypotensive activity. It has been implicated as a mediator in diverse pathologic processes, such as allergy, asthma, septic shock, arterial thrombosis, and inflammatory processes.

The PAF receptor is induced by granulocyte macrophage colony-stimulating factor (GM-CSF), interleukin-5 and n-butyrate. A diverse range of compounds act as PAF receptor antagonists; these may be useful pharmacologically.

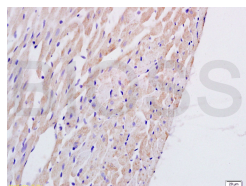
VALIDATION IMAGES



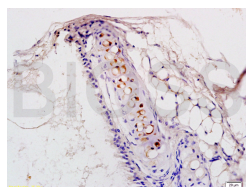
Sample: Lane1: Lung(Rat) Lysate at 30 ug Lane2: Brain(Rat) Lysate at 30 ug Primary: Anti-PTAFR (bs-1478R) at 1:200 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000 dilution; Predicted band size : 38kD Observed band size : 38kD



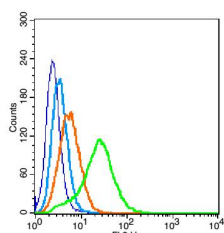
Sample: Lymph (Mouse) Lysate at 30 ug Primary: Anti- RAFR/PAF (bs-1478R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/10000 dilution Predicted band size: 38 kD Observed band size: 38 kD



Tissue/cell: rat heart 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-PTAFR Polyclonal Antibody, Unconjugated(bs-1478R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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Blank control: 293T cells(blue). Primary Antibody:Rabbit Anti-PAFR/PAF antibody(bs-1478R), Dilution: 1μg in 100 μL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange), used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol The cells were fixed with 2% paraformaldehyde (10 min). Primary antibody (bs-1478R, 1μg /1x10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.4] Lin Weiyin. et al. OralExplorer: a web server for exploring the mechanisms of oral inflammatory diseases. J TRANSL MED. 2024 Dec;22(1):1-15 IHC ; Human . 38491529

[IF=4.61] Hammond, Jennetta W., Shao-Ming Lu, and Harris A. Gelbard. "Platelet Activating Factor Enhances Synaptic Vesicle Exocytosis Via PKC, Elevated Intracellular Calcium, and Modulation of Synapsin 1 Dynamics and Phosphorylation." Frontiers in cellular neuroscience 9 (2015). ICC ; ="Rat" . 26778968

[IF=4.582] Silvestro Ennio D'Anna. et al. Bacterial load and related innate immune response in the bronchi of rapid decliners with chronic

obstructive pulmonary disease. RESP MED. 2023 Aug;215:107297 IHC ; Human . 37245650

[IF=4.174] Jiaqi Jin. et al. Myocardial ischemia-reperfusion injury is probably due to the excessive production of mitochondrial ROS caused by the activation of 5-HT degradation system mediated by PAF receptor. MOL IMMUNOL. 2023 Mar;155:27 WB ; Rat . 36682136