

Anti-PAFR/PAF Receptor Polyclonal Antibody

Product Details

Ig Type: IgG
 Reactivity: Human, Mouse, Rat (predicted: Chicken, Dog, Cow, Rabbit)
 Molecular Weight: Theoretical: 38 kDa. Actual: 38 kDa.
 Purification: Protein A purified

Applications

1. Sample: Lymph(Mouse) Lysate at 30 μ g
 Primary: Anti-PAFR/PAF (TMAB-01326) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/10000 dilution
 Predicted band size: 38 kDa
 Observed band size: 38 kDa

2. Blank control: 293T cells (blue). Primary Antibody: Rabbit Anti-PAFR/PAF antibody (TMAB-01326), Dilution: 1 μ g in 100 μ L 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

Verified Activity:

The cells were fixed with 2% paraformaldehyde (10 min). Primary antibody (TMAB-01326, 1 μ g/ 1×10^6 cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% 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.

3. Sample:

Lane1: Lung (Rat) Lysate at 30 μ g

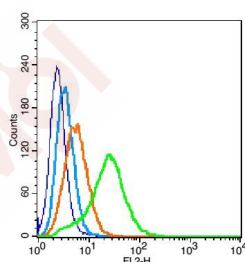
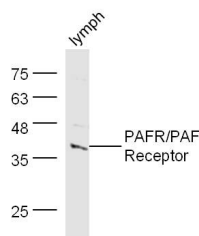
Lane2: Brain (Rat) Lysate at 30 μ g

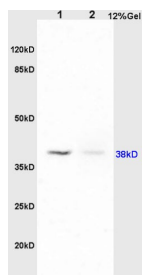
Primary: Anti-PAFR (TMAB-01326) at 1:200 dilution;

Secondary: HRP conjugated Goat Anti-Rabbit IgG (secondary antibody) at 1:3000 dilution;

Predicted band size: 38 kDa

Observed band size: 38 kDa





Application: FCM,IF,IHC-Fr,WB

Recommended WB: 1:500-2000; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human PAFR

Antigen Species: Human

Gene ID: 5724

Uniprot ID: P25105

Synonyms: Platelet-activating factor receptor;Ptafr;PAFR;PAF-R;PAF receptor;RP23-470B20.1; OTTHUMP0000004041;OTTMUSP00000010350

Biology Area: Blood,Platelets,Macrophage / Inflamm.,GPCR

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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