

# PAFR/PAF Receptor Rabbit pAb

Catalog # AP96801

## Product Information

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| <b>Application</b>             | WB, IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Primary Accession</b>       | <a href="#">P25105</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Other Accession</b>         | <a href="#">P25105</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Calculated MW</b>           | 39203                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human PAFR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Epitope Specificity</b>     | 231-342/342                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>SIMILARITY</b>              | Belongs to the G-protein coupled receptor 1 family.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SUBUNIT</b>                 | Interacts with ARRB1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Background Descriptions</b> | 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. |

## Additional Information

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| <b>Gene ID</b>     | 5724                                                                                                                                                                                            |
| <b>Other Names</b> | PTAFR_HUMAN; PTAFR; PAF-R; PAFr; PTAFR_MOUSE; PTAFR_PIG; PTAFR_RAT; PTAFR_MACMU; platelet activating factor receptor                                                                            |
| <b>Dilution</b>    | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1 $\mu$ g/Test                                                                                                              |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| <b>Name</b>              | PTAFR                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>          | PAFR                                                                                                                                                                                                                                                                                    |
| <b>Function</b>          | Receptor for platelet activating factor, a chemotactic phospholipid mediator that possesses potent inflammatory, smooth-muscle contractile and hypotensive activity. Seems to mediate its action via a G protein that activates a phosphatidylinositol-calcium second messenger system. |
| <b>Cellular Location</b> | Cell membrane; Multi-pass membrane protein                                                                                                                                                                                                                                              |
| <b>Tissue Location</b>   | Expressed in the placenta, lung, left and right heart ventricles, heart atrium, leukocytes and differentiated HL-60 granulocytes.                                                                                                                                                       |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.