

FPR1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51212**Specification**

FPR1 Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	P21462
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38 KDa

FPR1 Antibody - Additional Information**Gene ID** 2357**Other Names**

fMet-Leu-Phe receptor, fMLP receptor, N-formyl peptide receptor, FPR, N-formylpeptide chemoattractant receptor, FPR1

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FPR1. The exact sequence is proprietary.

Dilution

WB~~1:1000

IHC-P~~N/A

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

FPR1 Antibody - Protein Information**Name** FPR1**Function**

High affinity receptor for N-formyl-methionyl peptides (fMLP), which are powerful neutrophil chemotactic factors (PubMed: 10514456, PubMed: 15153520, PubMed: 2161213, PubMed: 2176894). Binding of fMLP to the receptor stimulates intracellular calcium mobilization and superoxide anion release (PubMed: 2176894).

href="http://www.uniprot.org/citations/15153520" target="_blank">15153520, PubMed:15210802, PubMed:1712023, PubMed:2161213). This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system (PubMed:10514456, PubMed:1712023). Receptor for TFAA4, mediates its effects on chemoattracting macrophages, promoting phagocytosis and increasing ROS release (PubMed:25109685). Receptor for cathepsin CTSG, leading to increased phagocyte chemotaxis (PubMed:15210802).

Cellular Location

Cell membrane; Multi-pass membrane protein. Note=Internalizes in presence of its ligands, fMLP, TFAA4 and CTSG.

Tissue Location

Neutrophils.

FPR1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FPR1 Antibody - Images

FPR1 Antibody - Background

High affinity receptor for N-formyl-methionyl peptides, which are powerful neutrophils chemotactic factors. Binding of fMLP to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system.

FPR1 Antibody - References

Boulay F.,et al.Biochem. Biophys. Res. Commun. 168:1103-1109(1990).
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Murphy P.M.,et al.J. Biol. Chem. 266:12560-12567(1991).
Bao L.,et al.Genomics 13:437-440(1992).
Perez H.D.,et al.Submitted (MAR-1993) to the EMBL/GenBank/DDBJ databases.