

FPR1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17216c**Specification**

FPR1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P21462
Other Accession	NP_002020.1 , NP_001180235.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	38446
Antigen Region	165-193

FPR1 Antibody (Center) - 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

This FPR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 165-193 amino acids from the Central region of human FPR1.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FPR1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

FPR1 Antibody (Center) - Protein Information**Name** FPR1**Function** High affinity receptor for N-formyl-methionyl peptides (fMLP), which are powerful

neutrophil chemotactic factors (PubMed:[2161213](#), PubMed:[2176894](#), PubMed:[10514456](#), PubMed:[15153520](#)). Binding of fMLP to the receptor stimulates intracellular calcium mobilization and superoxide anion release (PubMed:[2161213](#), PubMed:[1712023](#), PubMed:[15153520](#), PubMed:[15210802](#)). This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system (PubMed:[1712023](#), PubMed:[10514456](#)). 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

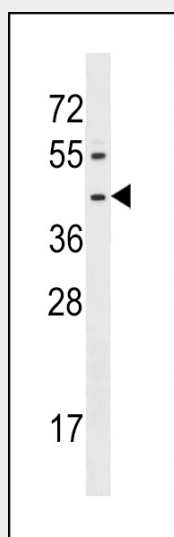
Neutrophils.

FPR1 Antibody (Center) - 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 (Center) - Images



FPR1 Antibody (Center) (Cat. #AP17216c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the FPR1 antibody detected the FPR1 protein (arrow).

FPR1 Antibody (Center) - Background

This gene encodes a G protein-coupled receptor of

mammalian phagocytic cells that is a member of the G-protein coupled receptor 1 family. The protein mediates the response of phagocytic cells to invasion of the host by microorganisms and is important in host defense and inflammation.

FPR1 Antibody (Center) - References

Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Huang, J., et al. Br. J. Cancer 102(6):1052-1060(2010)
Segat, L., et al. Vaccine 28(10):2201-2206(2010)
Zhu, X.L., et al. Beijing Da Xue Xue Bao 41(6):664-668(2009)
Kobayashi, T., et al. J. Dent. Res. 88(12):1137-1141(2009)