

FPR1 / FPR Antibody (aa155-204)
Rabbit Polyclonal Antibody
Catalog # ALS13669**Specification**

FPR1 / FPR Antibody (aa155-204) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P21462
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

FPR1 / FPR Antibody (aa155-204) - 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

FPR1 Antibody detects endogenous levels of total FPR1 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

FPR1 / FPR Antibody (aa155-204) is for research use only and not for use in diagnostic or therapeutic procedures.

FPR1 / FPR Antibody (aa155-204) - 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: 15153520, PubMed: 2161213).

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

Cellular Location

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

Tissue Location

Neutrophils.

Volume

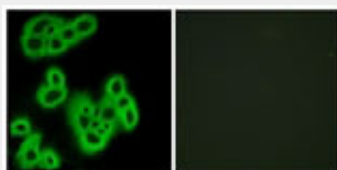
50 µl

FPR1 / FPR Antibody (aa155-204) - Protocols

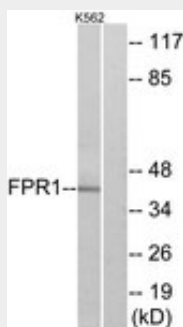
Provided below are standard protocols that you may find useful for product applications.

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

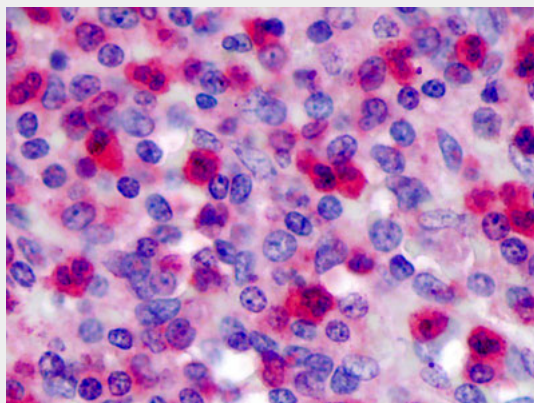
FPR1 / FPR Antibody (aa155-204) - Images



Immunofluorescence of MCF7 cells, using FPR1 Antibody.



Western blot of extracts from K562 cells, using FPR1 Antibody.



Anti-FPR1 antibody IHC of human spleen.

FPR1 / FPR Antibody (aa155-204) - Background

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). This response is mediated via a G-protein that activates a phosphatidylinositol- calcium second messenger system (PubMed:1712023, PubMed:10514456).

FPR1 / FPR Antibody (aa155-204) - References

Boulay F.,et al.Biochem. Biophys. Res. Commun. 168:1103-1109(1990).
Boulay F.,et al.Biochemistry 29:11123-11133(1990).
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.