

Anti-FPR3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human)
Molecular Weight:	Theoretical: 40 kDa. Actual: 50 kDa.
Purification:	Protein A purified

Applications

Sample:	Pancreas (Mouse) Lysate at 40 µg Cerebrum (Rat) Lysate at 40 µg
Verified Activity:	Primary: Anti-FPR3 (TMAB-06152) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kD Observed band size: 50 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. 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 FPR3
Antigen Species:	Human
Gene ID:	2359
Uniprot ID:	P25089

Research Background

The N-formyl peptide receptor (FPR) family is comprised of three members, FPR, FPR3 (also designated FPRL1, lipoxin A4 receptor, FPRH1 or FPR2) and FPR like-2 (FPRL2), all of which are chemotactic G protein-coupled receptors that contain seven transmembrane domains. These receptors are found on the surface of phagocytic leukocytes, such as neutrophils and monocytes, and each family member contains specific residues, which are responsible for determining its ligand specificity. FPR3 is a promiscuous receptor that binds to several ligands, including lipoxin A4, N-formyl-methionyl-leucyl-phenylalanine (fMLP), serum amyloid A (SAA), prion peptide and the 42 amino acid form of beta amyloid. Upon activation, FPR3 induces migration and calcium mobilization in human monocytes and neutrophils and is involved in inflammatory and host defense responses. FPR3 may mediate inflammation in prion and Alzheimer's diseases, which makes it a potential target for therapeutic agents.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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