DATASHEET

FPR3 Rabbit Polyclonal Antibody

CAT. NO. APA08958

KEY FEATURES

Target	FPR3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

May function as a pattern recognition G-protein coupled receptor (PRR/GPCR) involved in innate recognition of peptides derived from a specific set of bacterial pathogens or host mitochondria as pathogen- and damage-associated molecular patterns (PAMPs and DAMPs) involved in innate recognition of peptides derived from a specific set of bacterial pathogens or host mitochondria as pathogen- and damage-associated molecular patterns (PAMPs and DAMPs) . Low affinity receptor for a restricted repertoire of bacterial N-formylated peptides including fMKKIML from L. monocytogenes and fMPKLNR from V. cholerae. Contrary to FPR1 and FPR2 does not act as a receptor for fMLF peptide . High affinity receptor for N-acetylated F2L peptide derived from the cleavage of heme-binding protein HEBP1.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to FPR3
Specificity	Recognizes endogenous levels of FPR3 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human FPR3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 39 kD; Observed: 56 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	FPRH1; FPRL2; N-formyl peptide receptor 3; FMLP-related receptor II; FMLP-R-II; Formyl peptide receptor-like 2
Gene Symbol	FPR3
Entrez Gene	2359(Human)
SwissProt	P25089(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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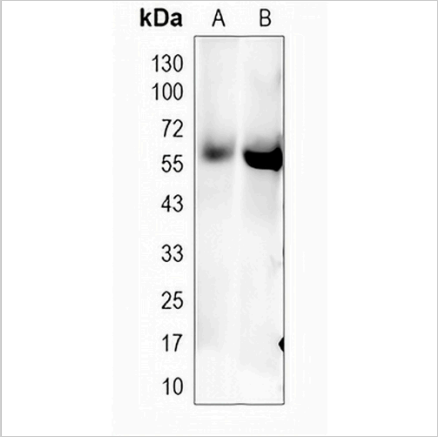
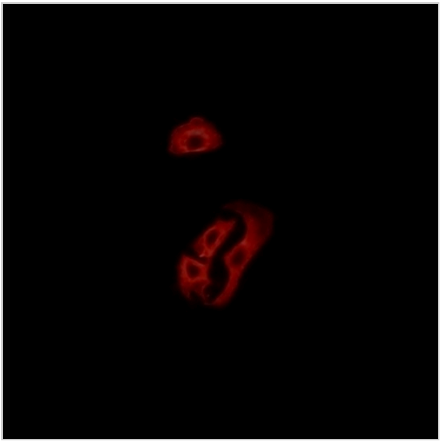
DATA



Western blot analysis of FPR3 expression in mouse liver (A), rat liver(B) whole cell lysates. (Predicted band size: 39 kD; Observed band size: 56 kD)



Immunofluorescent analysis of FPR3 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.