SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-FPRL1 antibody

Catalog Number: SL23765R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FPRL1
Immunogen:	KLH conjugated synthetic peptide derived from human FPRL1: 1-100/350 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/1ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse
Predicted MW.:	39kDa
Subcellular Location:	The cell membrane
Background:	FPRL1 is a low affinity receptor to 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. The activation of LXA4R could result in an anti-inflammatory outcome counteracting the actions of proinflammatory signals such as LTB4 (leukotriene B4). FPRL1 has been reported in phagocytes, monocytes, neutrophils, differentiated myeloid cells from bone marrow, granulocyte HL-60 cells, and synovial fibroblasts. ESTs have been isolated from blood, leukocyte, lung, and placenta libraries. **Function:** Low 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. The

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	activation of LXA4R could result in an anti-inflammatory outcome counteracting the actions of proinflammatory signals such as LTB4 (leukotriene B4). **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Tissue Specificity:** Expressed abundantly in the lung and neutrophils. Also found in the spleen and testis. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:** **Entrez Gene:** 2358 Human Omim: 136538 Human **SwissProt:** P25090 Human **Unigene:** 99855 Human Lipoxin receptors are widely expressed in various inflammation-related cells and are regulated by multiple inflammatory stimuli, participating in the control of the occurrence and development of inflammation through a series of signaling pathways such as PKA, PKC, and MAPK.

[VALIDATION IMAGES]

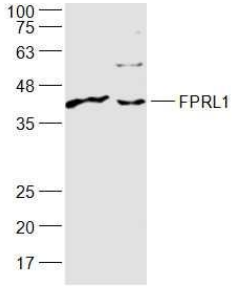


Figure 1. Sample: SW480(Human) Cell Lysate at 30 ug LOVO(Human) Cell Lysate at 30 ug Primary: Anti-FPRL1 (SL23765R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 39 kD

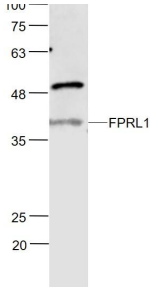


Figure 2. Sample: Bone (Mouse) Lysate at 40 ug Primary: Anti- FPRL1 (SL23765R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 39 kD

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