bs-3654R **[Primary Antibody]**

FPRL1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2358 **SWISS:** P25090

Target: FPRL1

Immunogen: KLH conjugated synthetic peptide derived from human FPRL1: 51-150/351. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

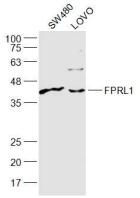
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse

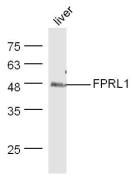
Predicted MW.: 39 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: SW480(Human) Cell Lysate at 30 ug LOVO(Human) Cell Lysate at 30 ug Primary: Anti-FPRL1 (bs-3654R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 39 kD



Sample:Liver(Mouse) Lysate at 40 ug Primary: Anti-FPRL1(bs-3654R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 47 kD

SELECTED CITATIONS

- **[IF=10.8]** Hiram Roddy. et al. An inflammation resolution-promoting intervention prevents atrial fibrillation due to left-ventricular dysfunction. CARDIOVASC RES. 2023 Dec;: WB ;Human,Rat. 38091977
- **[IF=8.702]** Cao Yirui. et al. Formyl peptide receptor 2 activation by mitochondrial formyl peptides stimulates the neutrophil proinflammatory response via the ERK pathway and exacerbates ischemia–reperfusion injury. CELL MOL BIOL LETT. 2023 Dec;28(1):1-24 FCM ;Rat. 36658472
- **[IF=6.5]** Yang Fan. et al. Identifying oxidative stress-related biomarkers in idiopathic pulmonary fibrosis in the context of predictive, preventive, and personalized medicine using integrative omics approaches and machine-learning strategies. EPMA Journal. 2023 Jul;:1-26 WB ;Rat. 10.1007/s13167-023-00334-4

- **[IF=5.23]** Diao, Na, et al. "Deficiency in Toll-interacting protein (Tollip) skews inflamed yet incompetent innate leukocytes in vivo during DSS-induced septic colitis."Scientific Reports 6 (2016): 34672. WB ;="Mouse". 27703259
- **[IF=4.966]** Wenzheng Xia. et al. ANXA1 directs Schwann cells proliferation and migration to accelerate nerve regeneration through the FPR2/AMPK pathway. Faseb J. 2020 Oct;34(10):13993-14005 IHC ;Rat. 32856352