

bs-3874R**[Primary Antibody]****BioSS**
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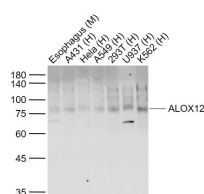
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ALOX12 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 239 Target: ALOX12 Immunogen: KLH conjugated synthetic peptide derived from human 12 Lipoxygenase: 101-200/663. 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: This gene encodes a member of the lipoxygenase family of proteins. The encoded enzyme acts on different polyunsaturated fatty acid substrates to generate bioactive lipid mediators including eicosanoids and lipoxins. The encoded enzyme and its reaction products have been shown to regulate platelet function. Elevated expression of this gene has been observed in pancreatic islets derived from human diabetes patients. Allelic variants in this gene may be associated with susceptibility to toxoplasmosis. Multiple pseudogenes of this gene have been identified in the human genome. [provided by RefSeq, Aug 2017]	Isotype: IgG SWISS: P18054	Applications: WB (1:500-2000) Reactivity: Human, Mouse (predicted: Rat) Predicted MW.: 76 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Sample: Lane 1: Esophagus (Mouse) Lysate at 40 ug
Lane 2: A431 (Human) Cell Lysate at 30 ug
Lane 3: HeLa (Human) Cell Lysate at 30 ug
Lane 4: A549 (Human) Cell Lysate at 30 ug
Lane 5: 293T (Human) Cell Lysate at 30 ug
Lane 6: U937 (Human) Cell Lysate at 30 ug
Lane 7: K562 (Human) Cell Lysate at 30 ug
Primary: Anti-ALOX12 (bs-3874R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 76 kD
Observed band size: 76 kD

— SELECTED CITATIONS —

- **[IF=15.1]** Duco Steven Koenis. et al. Efferocyte-Derived MCTRs Metabolically Prime Macrophages for Continual Efferocytosis via Rac1-Mediated Activation of Glycolysis. ADV SCI. 2023 Dec;;2304690 IF ;Mouse. 38064171
- **[IF=8.101]** Jin Wang. et al. Irisin protects against sepsis-associated encephalopathy by suppressing ferroptosis via activation of the Nrf2/GPX4 signal axis. FREE RADICAL BIO MED. 2022 Jul;187:171 WB ;Mouse. 35660523
- **[IF=7.328]** Dongdong Yao. et al. Matrix stiffness regulates bone repair by modulating 12-lipoxygenase-mediated early inflammation. Mat Sci Eng C-Mater. 2021 Sep;128:112359 WB ;Rat. 34474906

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=4.932]** Zhikun Zhan. et al. Effect of oridonin on oxylipins in the livers of mice with acute liver injury induced by D-galactosamine and lipopolysaccharide. Int Immunopharmacol. 2021 Nov;;108387 WB ;Mouse. 34838489
- **[IF=3.4]** Tingting Li. et al. Combined untargeted metabolomics and network pharmacology approaches to reveal the therapeutic role of withanolide B in psoriasis. J PHARMACEUT BIOMED. 2024 Aug;245:116163 WB ;Mouse. 38657365