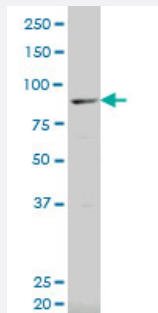


ALOX12B polyclonal antibody (A01)

Catalog # H00000242-A01

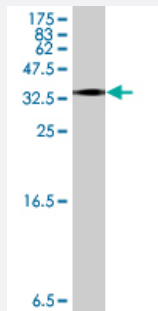
Size 50 uL

Applications



Western Blot (Cell lysate)

ALOX12B polyclonal antibody (A01), Lot # 051130JC01 Western Blot analysis of ALOX12B expression in Jurkat (Cat # L017V1).



Western Blot detection against Immunogen (36.12 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ALOX12B.
Immunogen	ALOX12B (NP_001130, 171 a.a. ~ 261 a.a) partial recombinant protein with GST tag.
Sequence	NPNRPEWNGYIPGFPILINFKATKFLNLRYSFLKTASFFVRLGPMALAFKVRGLLDCKHSWKRL KDIRKIFPGKKSVMSEYVAEHWAED
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (84)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.12 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ALOX12B polyclonal antibody (A01), Lot # 051130JC01 Western Blot analysis of ALOX12B expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ALOX12B

Entrez GeneID

[242](#)

GeneBank Accession#

[NM_001139](#)

Protein Accession#

[NP_001130](#)

Gene Name

ALOX12B

Gene Alias

12R-LOX

Gene Description

arachidonate 12-lipoxygenase, 12R type

Omim ID

[242100 603741](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes an enzyme involved in the conversion of arachidonic acid to 12R-hydroxyeicosatetraenoic acid. Mutations in this gene are associated with nonbullous congenital ichthyosiform erythroderma. [provided by RefSeq]

Other Designations

epidermis-type lipoxygenase 12

Publication Reference

- [A role for 12R-lipoxygenase in MUC5AC expression by respiratory epithelial cells.](#)

Garcia-Verdugo I, BenMohamed F, Tattermusch S, Leduc D, Charpigny G, Chignard M, Ollero M, Touqui L.

The European Respiratory Journal 2012 Sep; 40(3):714.

Application: WB-Tr, Human, NCI-H292 cells

- [Hepoxilin A\(3\) \(HXA\(3\)\) synthase deficiency is causative of a novel ichthyosis form.](#)

Nigam S, Zafiriou MP, Deva R, Kerstin N, Geilen C, Ciccoli R, Szczepanski M, Lohse M.

FEBS Letters 2007 Dec; 582(2):279.

Application: IF, Human, Epidermal scales from the patient and in the bioptic skin from healthy subject

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Birth Weight](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Ichthyosiform Erythroderma](#)
- [Leukemia](#)

- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Stroke](#)