

For Research Use Only

# ALOX15B Polyclonal antibody

Catalog Number: 13073-1-AP

10 Publications



## Basic Information

### Catalog Number:

13073-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3741

### GenBank Accession Number:

BC035217

### GeneID (NCBI):

247

### UNIPROT ID:

O15296

### Full Name:

arachidonate 15-lipoxygenase, type B

### Calculated MW:

676 aa, 76 kDa

### Observed MW:

67-76 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human

### Cited Species:

human, rat, pig

### Positive Controls:

WB: A431 cells, HEK-293 cells, HL-60 cells, HeLa cells, MCF-7 cells

## Background Information

In humans, there are 6 functional lipoxygenases genes. Two of them encode for arachidonic acid 12-lipoxygenating (ALOX12, ALOX12B) and two for 15-lipoxygenating enzymes (ALOX15, ALOX15B). ALOX15B has been described as the most abundant 15-lipoxygenating enzyme species in human carotid atherosclerotic lesions and to be associated with cerebrovascular symptoms. (PMID:24373925). ALOX15B has 4 isoforms produced by alternative splicing with the MW of 76, 67, 69 and 73 kDa. 13073-1-AP can also recognize the mouse Alox8 protein.

## Notable Publications

Author	Pubmed ID	Journal	Application
Huangao Zhou	32474063	J Chem Neuroanat	WB
Hongyan Xue	35344833	Theriogenology	WB
Fen Xu	35026282	Exp Cell Res	IHC

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

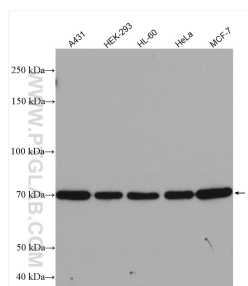
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## Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 13073-1-AP (15 Lipoxygenase 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.