

For Research Use Only

15 Lipoxygenase 2 Polyclonal antibody



Catalog Number: 13073-1-AP

5 Publications

Basic Information

Catalog Number: 13073-1-AP	GenBank Accession Number: BC035217	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 247	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	Full Name: arachidonate 15-lipoxygenase, type B	
Isotype: IgG	Calculated MW: 676 aa, 76 kDa	
Immunogen Catalog Number: AG3741	Observed MW: 67-76 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A431 cells, HEK-293 cells, HL-60 cells, HeLa cells, MCF-7 cells
Cited Applications: IHC, WB	
Species Specificity: human	
Cited Species: human, rat, pig	

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

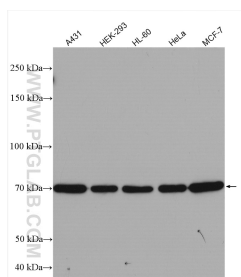
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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