

For Research Use Only

ALOX15B Polyclonal antibody

Catalog Number: 13073-1-AP **10 Publications**



Basic Information

Catalog Number: 13073-1-AP	GenBank Accession Number: BC035217	Purification Method: Antigen affinity purification
Concentration: 500 ug/ml	GeneID (NCBI): 247	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: O15296	
Isotype: IgG	Full Name: arachidonate 15-lipoxygenase, type B	
Immunogen Catalog Number: AG3741	Calculated MW: 676 aa, 76 kDa	
	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: WB, IHC	
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, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

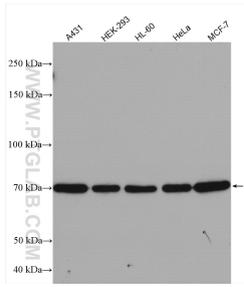
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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 Lipoxygenase 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.