

For Research Use Only

LTA4H Polyclonal antibody

Catalog Number: 13662-1-AP **2 Publications**



Basic Information

Catalog Number: 13662-1-AP	GenBank Accession Number: BC032528	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4048	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: Leukotriene A4 hydrolase	Calculated MW: 611 aa, 69 kDa
Isotype: IgG	Observed MW: 57-70 kDa	Immunogen Catalog Number: AG4568

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, Jurkat cells
Cited Applications: IF, WB	IP : HEK-293 cells,
Species Specificity: human, mouse, rat	IHC : human skin tissue, human brain tissue, human heart tissue, human kidney tissue, human lung tissue, human ovary tissue, human placenta tissue, human spleen tissue, human testis tissue
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

LTA4H(Leukotriene A-4 hydrolase), also named as LTA4, is essential for the conversion of LTA4 to LTB4, an inflammatory lipid mediator(PMID:10601658). LTA4H also possesses aminopeptidase activity that it can degrade PGP, which is a biomarker for chronic obstructive pulmonary disease and is implicated in neutrophil persistence in the lung(PMID:20813919). This protein has 4 isoforms produced by alternative splicing with the MW of 69, 59, 57, 67 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Wei Gao	31287215	Proteomics	WB
Gan Chen	37122356	JHEP Rep	IF

Storage

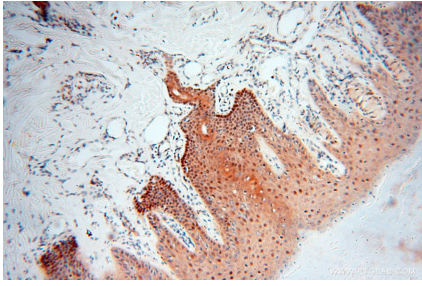
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

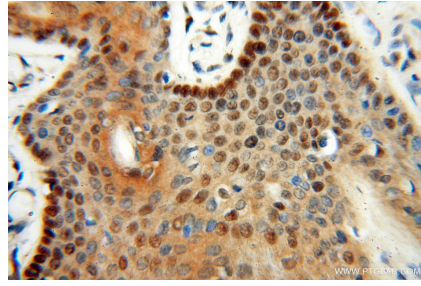
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

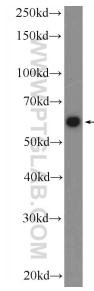
Selected Validation Data



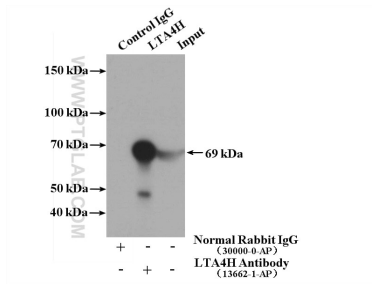
Immunohistochemical analysis of paraffin-embedded human skin using 13662-1-AP (LTA4H antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin using 13662-1-AP (LTA4H antibody) at dilution of 1:100 (under 40x lens).



HEK-293 cells were subjected to SDS PAGE followed by western blot with 13662-1-AP (LTA4H Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-LTA4H (IP:13662-1-AP, 4ug; Detection:13662-1-AP 1:500) with HEK-293 cells lysate 1120ug.