

For Research Use Only

LTA4H Polyclonal antibody

Catalog Number: 13662-1-AP

3 Publications



Basic Information

Catalog Number:

13662-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4568

GenBank Accession Number:

BC032528

GeneID (NCBI):

4048

UNIPROT ID:

P09960

Full Name:

Leukotriene A4 hydrolase

Calculated MW:

611 aa, 69 kDa

Observed MW:

57-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HEK-293 cells, Jurkat cells

IP : HEK-293 cells,

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

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
Hao Cai	38412254	Sci Signal	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

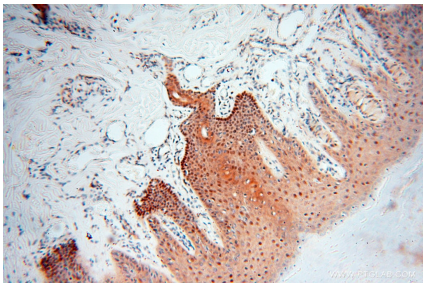
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

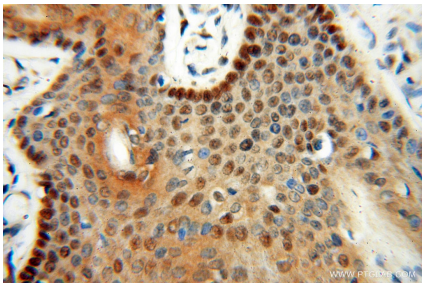
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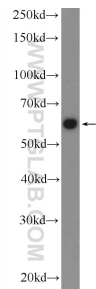
Selected Validation Data



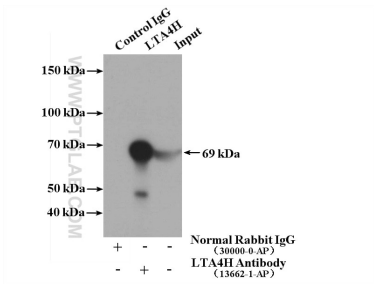
Immunohistochemical analysis of paraffin-embedded human skin using 13662-1-AP (LTA4H antibody) at dilution of 1:100 (under 10x lens).



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.