

## Product datasheet for **TA500665AM**

### Leukotriene A4 hydrolase (LTA4H) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI8F4]

#### Product data:

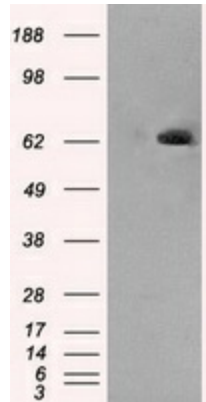
Product Type:	Primary Antibodies
Clone Name:	OTI8F4
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IP 2-4ug/mg
Reactivity:	Human, Dog, Rat, Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full-length protein expressed in 293T cell transfected with human LTA4H expression vector
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	69.3 kDa
Gene Name:	leukotriene A4 hydrolase
Database Link:	<a href="#">NP_000886</a> <a href="#">Entrez Gene 16993</a> <a href="#">MouseEntrez Gene 299732</a> <a href="#">RatEntrez Gene 482611</a> <a href="#">DogEntrez Gene 4048</a> <a href="#">Human</a> <a href="#">P09960</a>
Background:	Hydrolyzes an epoxide moiety of leukotriene A4 (LTA-4) to form leukotriene B4 (LTB-4). The enzyme also has some peptidase activity.
Synonyms:	leukotriene A4 hydrolase
Protein Families:	Druggable Genome, Protease



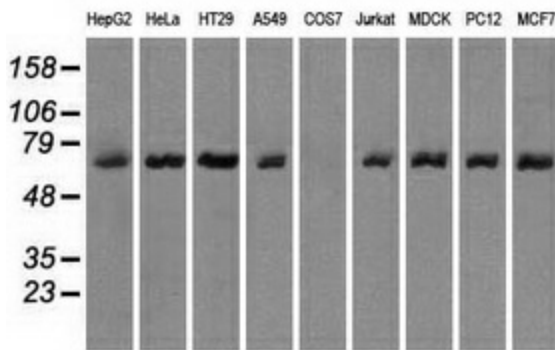
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Protein Pathways: Arachidonic acid metabolism, Metabolic pathways

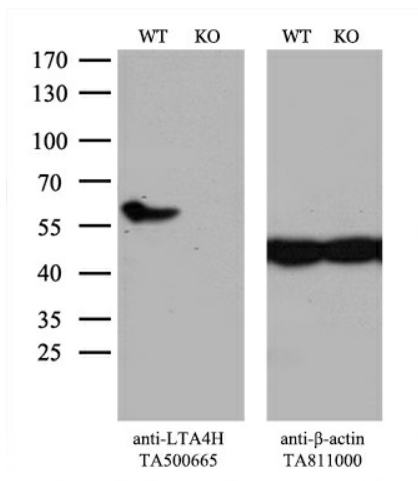
**Product images:**



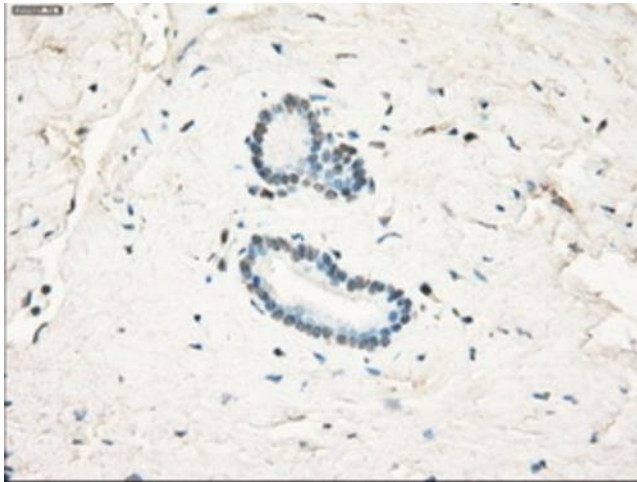
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY LTA4H [RC207617], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-LTA4H. Positive lysates [LY424467] (100ug) and [LC424467] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-LTA4H monoclonal antibody.



Equivalent amounts of cell lysates (10 ug per lane) of wild-type 293T cells (WT, Cat# LC810293T) and LTA4H-Knockout 293T cells (KO, Cat# [LC812368]) were separated by SDS-PAGE and immunoblotted with anti-LTA4H monoclonal antibody [TA500665], (1:500). Then the blotted membrane was stripped and reprobed with anti- $\beta$ -actin antibody ([TA811000]) as a loading control.



Immunohistochemical staining of paraffin-embedded pancreas tissue within the normal limits using anti-LTA4H mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500665], Dilution 1:50)

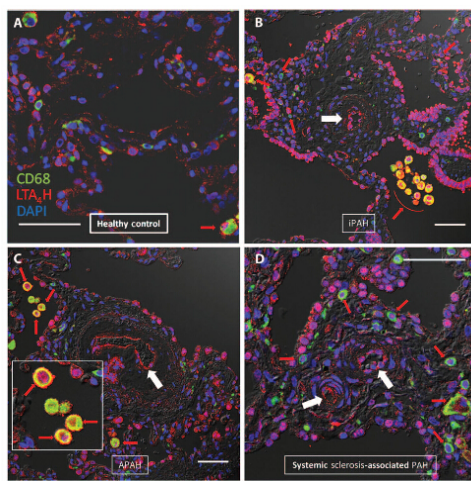


Figure from citation: Immunofluorescence of LTA4H protein level by using anti-LTA4H antibody in human lung tissues. [View Citation](#)

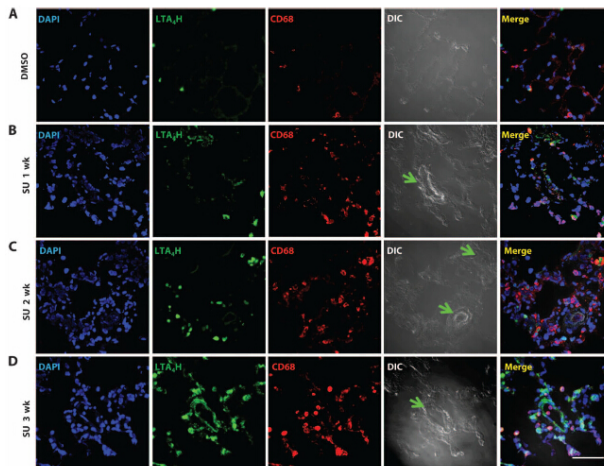
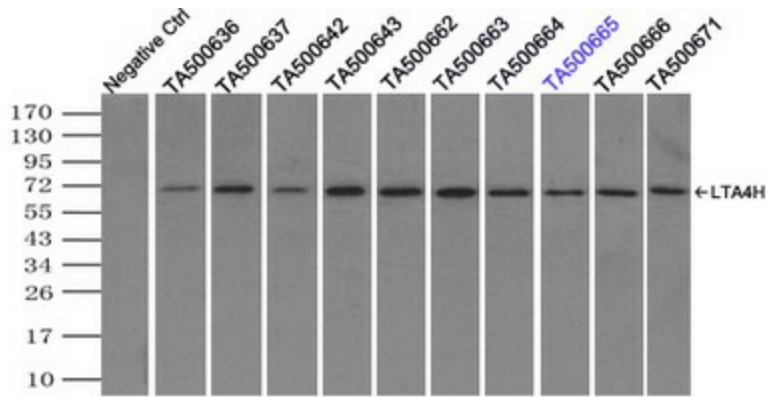


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Immunoprecipitation of LTA4H by using TrueMab monoclonal anti-LTA4H antibody (Negative control: IP without adding anti-LTA4H antibody). For each experiment, 500ul of DDK tagged LTA4H overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of ant-LTA4H antibody and 20ul (0.1 mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.