SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-LTA4H antibody

Catalog Number: SL23674R

FOR RESEARCH USE ONLY

[DATASHEET]

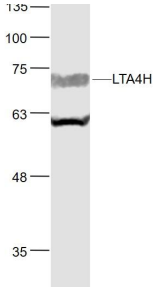
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	LTA4H
Immunogen:	KLH conjugated synthetic peptide derived from human LTA4H: 1-100/611 <Cytoplasmic>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Pig,Horse,Rabbit,Sheep)
Predicted MW.:	69kDa
Subcellular Location:	cytoplasmic
Background:	Leukotrienes are a group of bioactive compounds which play important roles in immediate hyposensitivity reactions and inflammation. Leukotriene A4 hydrolase hydrolyzes an epoxide moiety of leukotriene A4 (LTA4) to form leukotriene B4 (LTB4). The enzyme also has some peptidase activity. **Function:** Epoxide hydrolase that catalyzes the final step in the biosynthesis of the proinflammatory mediator leukotriene B4. Has also aminopeptidase activity. **Subunit:** Monomer. **Subcellular Location:** Cytoplasm. **Tissue Specificity:** Isoform 1 and isoform 2 are expressed in monocytes, lymphocytes, neutrophils, reticulocytes, platelets and fibroblasts.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

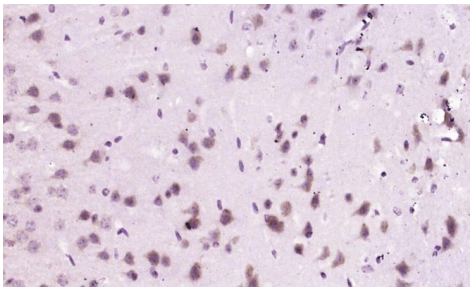
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	Post-translational modifications: Phosphorylation at Ser-416 inhibits enzymatic activity. **Similarity:** Belongs to the peptidase M1 family. **Database links:** **Entrez Gene:** 4048 Human **Entrez Gene:** 299732 Rat Omim: 151570 Human **SwissProt:** P09960 Human **SwissProt:** P30349 Rat **Unigene:** 524648 Human **Unigene:** 104990 Rat

[VALIDATION IMAGES]



Sample:
Lung (Mouse) Lysate at 40 ug
Primary: Anti- LTA4H (SL23674R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 69 kD
Observed band size: 69 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LTA4H) Polyclonal Antibody, Unconjugated (SL23674R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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