

**Anti-LTA4H Rabbit Monoclonal Antibody**  
Catalog # ABO15685

**Specification**

---

**Anti-LTA4H Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, FC
Primary Accession	<a href="#">P09960</a>
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-LTA4H Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

**Anti-LTA4H Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 4048

**Other Names**

Leukotriene A-4 hydrolase, LTA-4 hydrolase, 3.3.2.6, Leukotriene A(4) hydrolase, Tripeptide aminopeptidase LTA4H, 3.4.11.4, LTA4H, LTA4

**Calculated MW**

69 kDa KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:50

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human LTA4H

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-LTA4H Rabbit Monoclonal Antibody - Protein Information**

**Name** LTA4H

## Synonyms LTA4

### Function

Bifunctional zinc metalloenzyme that comprises both epoxide hydrolase (EH) and aminopeptidase activities. Acts as an epoxide hydrolase to catalyze the conversion of LTA4 to the pro-inflammatory mediator leukotriene B4 (LTB4) (PubMed:<a href="http://www.uniprot.org/citations/11917124" target="\_blank">11917124</a>, PubMed:<a href="http://www.uniprot.org/citations/12207002" target="\_blank">12207002</a>, PubMed:<a href="http://www.uniprot.org/citations/15078870" target="\_blank">15078870</a>, PubMed:<a href="http://www.uniprot.org/citations/18804029" target="\_blank">18804029</a>, PubMed:<a href="http://www.uniprot.org/citations/1897988" target="\_blank">1897988</a>, PubMed:<a href="http://www.uniprot.org/citations/1975494" target="\_blank">1975494</a>, PubMed:<a href="http://www.uniprot.org/citations/2244921" target="\_blank">2244921</a>). Has also aminopeptidase activity, with high affinity for N-terminal arginines of various synthetic tripeptides (PubMed:<a href="http://www.uniprot.org/citations/18804029" target="\_blank">18804029</a>, PubMed:<a href="http://www.uniprot.org/citations/20813919" target="\_blank">20813919</a>). In addition to its pro-inflammatory EH activity, may also counteract inflammation by its aminopeptidase activity, which inactivates by cleavage another neutrophil attractant, the tripeptide Pro-Gly-Pro (PGP), a bioactive fragment of collagen generated by the action of matrix metalloproteinase-9 (MMP9) and prolylendopeptidase (PREPL) (PubMed:<a href="http://www.uniprot.org/citations/20813919" target="\_blank">20813919</a>, PubMed:<a href="http://www.uniprot.org/citations/24591641" target="\_blank">24591641</a>). Involved also in the biosynthesis of resolvin E1 and 18S-resolvin E1 from eicosapentaenoic acid, two lipid mediators that show potent anti-inflammatory and pro-resolving actions (PubMed:<a href="http://www.uniprot.org/citations/21206090" target="\_blank">21206090</a>).

### Cellular Location

Cytoplasm.

### Tissue Location

Isoform 1 and isoform 2 are expressed in monocytes, lymphocytes, neutrophils, reticulocytes, platelets and fibroblasts

## Anti-LTA4H Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-LTA4H Rabbit Monoclonal Antibody - Images



