

**Leukotriene A4 Hydrolase Rabbit mAb**  
Catalog # AP75672**Specification****Leukotriene A4 Hydrolase Rabbit mAb - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P09960</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	69285

**Leukotriene A4 Hydrolase Rabbit mAb - Additional Information**

Gene ID 4048

**Other Names**

LTA4H

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

**Format**

Liquid

**Leukotriene A4 Hydrolase Rabbit mAb - 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: [11917124](http://www.uniprot.org/citations/11917124)), PubMed: [12207002](http://www.uniprot.org/citations/12207002)), PubMed: [15078870](http://www.uniprot.org/citations/15078870)), PubMed: [18804029](http://www.uniprot.org/citations/18804029)), PubMed: [1897988](http://www.uniprot.org/citations/1897988)), PubMed: [1975494](http://www.uniprot.org/citations/1975494)), PubMed: [2244921](http://www.uniprot.org/citations/2244921)). Has also aminopeptidase activity, with high affinity for N-terminal arginines of various synthetic tripeptides (PubMed: [18804029](http://www.uniprot.org/citations/18804029)), PubMed: [20813919](http://www.uniprot.org/citations/20813919)). 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

### Leukotriene A4 Hydrolase Rabbit mAb - 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](#)

### Leukotriene A4 Hydrolase Rabbit mAb - Images



