

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

Application	WB, IHC
Primary Accession	P09960
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:20813919, PubMed:24591641). 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:21206090).

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



