

Leukotriene A4 Hydrolase Rabbit mAb
Catalog # AP78219**Specification****Leukotriene A4 Hydrolase Rabbit mAb - Product Information**

Application	WB, IHC-P, FC, ICC
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-P~~N/A
FC~~1:10~50
ICC~~N/A**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)). Also has 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

