

ALOX5 / 5-Lipoxygenase Antibody (aa246-295)
Rabbit Polyclonal Antibody
Catalog # ALS15411**Specification****ALOX5 / 5-Lipoxygenase Antibody (aa246-295) - Product Information**

Application	IHC
Primary Accession	P09917
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78kDa KDa

ALOX5 / 5-Lipoxygenase Antibody (aa246-295) - Additional Information**Gene ID** 240**Other Names**

Arachidonate 5-lipoxygenase, 5-LO, 5-lipoxygenase, 1.13.11.34, ALOX5, LOG5

Target/Specificity

Arachidonate 5 Lipoxygenase (Ab-271) Antibody detects endogenous levels of total Arachidonate 5 Lipoxygenase protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

ALOX5 / 5-Lipoxygenase Antibody (aa246-295) is for research use only and not for use in diagnostic or therapeutic procedures.

ALOX5 / 5-Lipoxygenase Antibody (aa246-295) - Protein Information**Name** ALOX5 ([HGNC:435](#))**Synonyms** LOG5**Function**

Catalyzes the oxygenation of arachidonate ((5Z,8Z,11Z,14Z)- eicosatetraenoate) to 5-hydroperoxyeicosatetraenoate (5-HPETE) followed by the dehydration to 5,6-epoxyeicosatetraenoate (Leukotriene A4/LTA4), the first two steps in the biosynthesis of leukotrienes, which are potent mediators of inflammation (PubMed:[19022417](http://www.uniprot.org/citations/19022417), PubMed:[21233389](http://www.uniprot.org/citations/21233389), PubMed:[22516296](http://www.uniprot.org/citations/22516296), PubMed:[23246375](http://www.uniprot.org/citations/23246375), PubMed:[24282679](http://www.uniprot.org/citations/24282679), PubMed:[24893149](http://www.uniprot.org/citations/24893149)).

Cellular Location

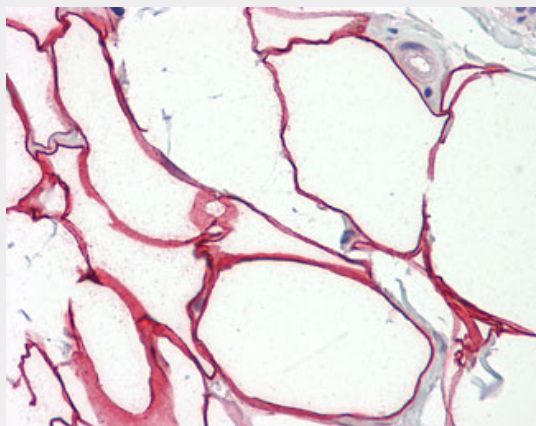
Volume
50 μ l

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](#)

ALOX5 / 5-Lipoxygenase Antibody (aa246-295) - Images



Anti-ALOX5 / 5-Lipoxygenase antibody IHC of human colon, adipocytes.

ALOX5 / 5-Lipoxygenase Antibody (aa246-295) - Background

Catalyzes the first step in leukotriene biosynthesis, and thereby plays a role in inflammatory processes.

ALOX5 / 5-Lipoxygenase Antibody (aa246-295) - References

Dixon R.A.F., et al. Proc. Natl. Acad. Sci. U.S.A. 85:416-420(1988).
Matsumoto T., et al. Proc. Natl. Acad. Sci. U.S.A. 85:26-30(1988).
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Matsumoto T., et al. Adv. Prostaglandin Thromboxane Leukotriene Res. 19:466-469(1989).
Boudreau L.H., et al. FASEB J. 25:1097-1105(2011).