



Rabbit Anti-15 Lipoxygenase 2 antibody

SL20026R

Product Name:	15 Lipoxygenase 2
Chinese Name:	花生四烯酸15脂氧合酶2抗体
Alias:	15 LO 2; 15 LOX 2; 15-lipoxygenase 2; 15-LOX-2; 15-LOX-B; ALOX15B; Arachidonate 15 lipoxygenase second type; Arachidonate 15 lipoxygenase type II; Arachidonate 15-lipoxygenase B; Arachidonate 15-lipoxygenase type II; LX15B HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	76kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human 15 Lipoxygenase 2:221-320/676
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the lipoxygenase family of structurally related nonheme iron dioxygenases involved in the production of fatty acid hydroperoxides. The encoded protein converts arachidonic acid exclusively to 15S-

hydroperoxyeicosatetraenoic acid, while metabolizing linoleic acid less effectively. This gene is located in a cluster of related genes and a pseudogene that spans approximately 100 kilobases on the short arm of chromosome 17. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Function:

Converts arachidonic acid exclusively to 15S-hydroperoxyeicosatetraenoic acid, while linoleic acid is less well metabolized.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Expressed in hair, prostate, lung and cornea.

Similarity:

Belongs to the lipoxygenase family.

Contains 1 lipoxygenase domain.

Contains 1 PLAT domain.

SWISS:

O15296

Gene ID:

247

Database links:

[Entrez Gene: 247](#)Human

[Entrez Gene: 11688](#)Mouse

[Entrez Gene: 266604](#)Rat

[Omim: 603697](#)Human

[SwissProt: O15296](#)Human

[SwissProt: O35936](#)Mouse

[SwissProt: Q5NCF6](#)Mouse

[SwissProt: Q5NCF7](#)Mouse

[SwissProt: Q8K4F2](#)Rat

[Unigene: 111256](#)Human

[Unigene: 289672](#)Mouse

[Unigene: 86437Rat](#)

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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