



Rabbit Anti-ALOX15B antibody

SL6335R

Product Name:	ALOX15B
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; ALOX8_MOUSE; Arachidonate 8S-lipoxygenase; 8-LOX; 8S-LOX; 15-lipoxygenase 2; Arachidonate 15-lipoxygenase B; 15-LOX-B.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	74kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ALOX15B/15 Lipoxygenase 2:13-110/676
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:	Converts arachidonic acid exclusively to 15S-hydroperoxyeicosatetraenoic acid, while linoleic acid is less well metabolized.

Tissue specificity: Expressed in hair, prostate, lung and cornea.

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

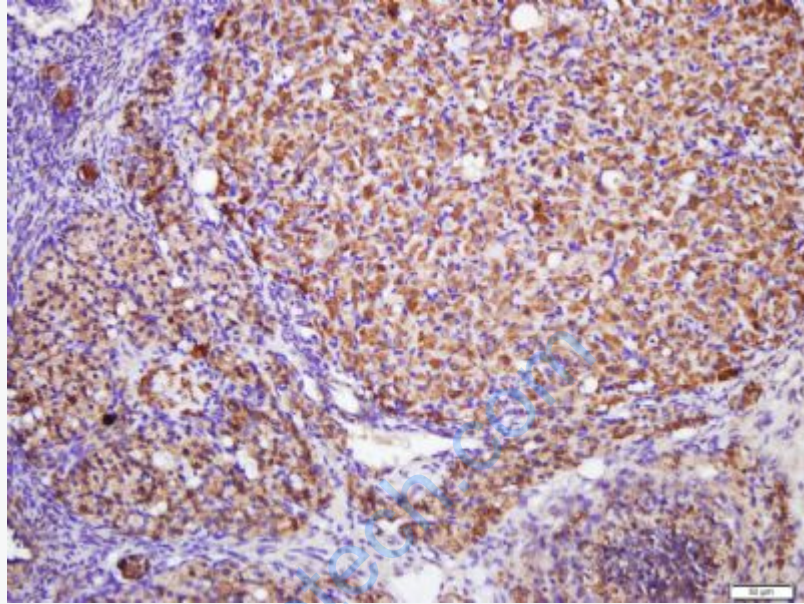
[Unigene: 111256](#)Human

[Unigene: 289672](#)Mouse

[Unigene: 86437](#)Rat

Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (rat ovary tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ALOX15B) Polyclonal Antibody, Unconjugated (SL6335R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining