

Datasheet for ABIN3043726
anti-ALOX15 antibody (AA 2-337)[Go to Product page](#)

5 Images

Overview

Quantity:	100 µg
Target:	ALOX15
Binding Specificity:	AA 2-337
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALOX15 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Arachidonate 15-lipoxygenase(ALOX15) detection. Tested with WB, IHC-P in Human.
Immunogen:	E.coli-derived human ALOX15 recombinant protein (Position: G2-P337). Human ALOX15 shares 72% and 73% amino acid (aa) sequences identity with mouse and rat ALOX15, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Arachidonate 15-lipoxygenase(ALOX15) detection. Tested with WB, IHC-P in Human.</p> <p>Gene Name: arachidonate 15-lipoxygenase</p> <p>Protein Name: Arachidonate 15-lipoxygenase</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	ALOX15
Alternative Name:	ALOX15 (ALOX15 Products)
Background:	<p>Arachidonate 15-lipoxygenase, also known as 15 LOX or LOG15, is an enzyme that in humans is encoded by the ALOX15 gene. This gene is mapped to 17p13.2. It is found that ALOX15 is a mutator gene. ALOX15 gene product is implicated in antiinflammation, membrane remodeling, and cancer development/metastasis. Loss of the TP53 gene, or gain-of-function activities resulting from the expression of its mutant forms regulates ALOX15 promoter activity in human and in mouse, albeit in directionally opposite manners.</p> <p>Synonyms: 15 lipoxygenase 1 antibody 15 LIPOXYGENASE RETICULOCYTE ARACHIDONATE antibody 15 LOX antibody 15 LOX 1 antibody 15-LOX antibody 15LOX 1 antibody ALOX15 antibody Arachidonate 15 lipoxygenase antibody Arachidonate 15-lipoxygenase antibody Arachidonate omega 6 lipoxygenase antibody Arachidonate omega-6 lipoxygenase antibody LOG15 antibody LOX15_HUMAN antibody</p>
Gene ID:	246
UniProt:	P16050
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for ALOX15 is approximately 0.25 ng/lane under reducing conditions.</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

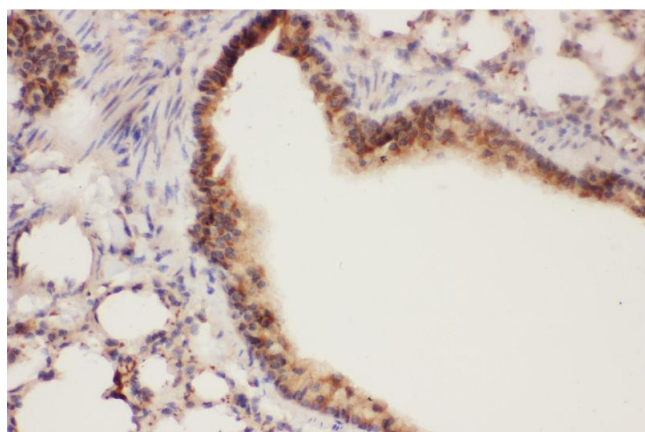
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



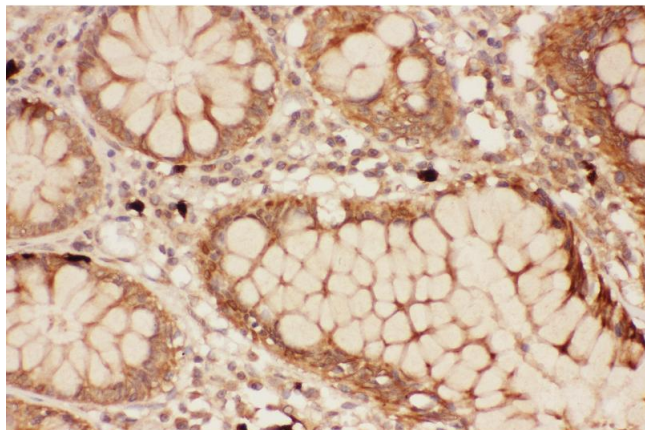
Western Blotting

Image 1. Anti-ALOX15 Picoband antibody, All lanes: Anti-ALOX15 at 0.5ug/m WB: Recombinant Human ALOX15 Protein 0.5ng Predicted bind size: 39KD Observed bind size: 39KD



Immunohistochemistry

Image 2. Anti-ALOX15 Picoband antibody, IHC(P): Mouse Lung Tissue



Immunohistochemistry

Image 3. Anti-ALOX15 Picoband antibody, IHC(P): Human Intestine Cancer Tissue

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3043726.