

Datasheet for ABIN3029819

## anti-12-Lipoxygenase antibody (C-Term)



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### 2 Images

#### Overview

Quantity:	100 µg
Target:	12-Lipoxygenase (LOX12)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This 12-Lipoxygenase antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	An amino acid sequence from the C-terminus of human ALOX12 (HHKEKYFSGPKPKAVLNQFR) was used as the immunogen for this 12 Lipoxygenase antibody.
Isotype:	IgG
Purification:	Antigen affinity

#### Target Details

Target:	12-Lipoxygenase (LOX12)
Alternative Name:	12 Lipoxygenase ( <a href="#">LOX12 Products</a> )
Background:	Arachidonate 12-lipoxygenase, is an enzyme that in humans is encoded by the ALOX12 gene. By fluorescence in situ hybridization, the ALOX12 gene is located in band 17p13.1. The gene consists of 14 exons with 13 introns and spans approximately 15 kb of DNA. Arachidonate 12-

## Target Details

lipoxygenase introduces a molecular oxygen into the C-12 position of arachidonic acid to produce 12(S)-hydroperoxy-5,8,10,14-eicosatetraenoic acid. The major pathway of arachidonic acid metabolism in human platelets proceeds via a 12-lipoxygenase enzyme. Expression of the LOG12 gene was detected in human erythroleukemia cells, platelets, and human umbilical vein endothelial cells by reverse transcription-PCR analysis.

UniProt: [P18054](#)

## Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the 12 Lipoxygenase antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

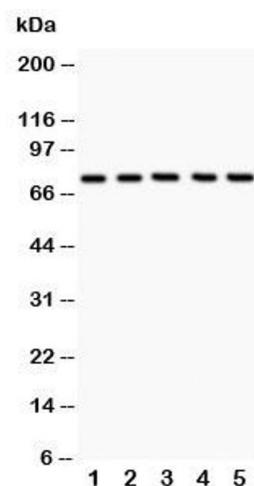
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

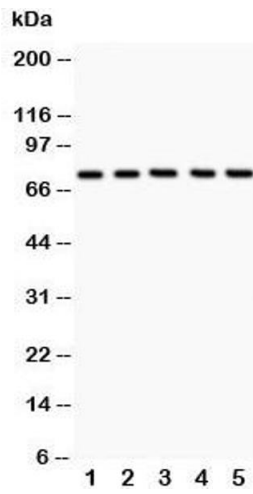
Storage Comment: After reconstitution, the 12 Lipoxygenase antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



### Western Blotting

**Image 1.** Western blot testing of 12 Lipoxygenase antibody and Lane 1: A549



### Western Blotting

**Image 2.** Western blot testing of 12 Lipoxygenase antibody and Lane 1: A549; 2: MCF-7; 3: COLO320; 4: Jurkat; 5: HeLa; Predicted size: 75KD; Observed size: 75KD