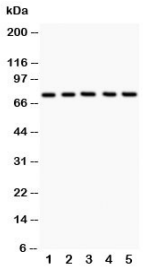
12 Lipoxygenase Antibody / ALOX12 (R30558)

Catalog No.	Formulation	Size
R30558	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P18054
Applications	Western Blot : 0.5-1ug/ml
Limitations	This 12 Lipoxygenase antibody is available for research use only.



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

Description

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 DNAArachidonate 12-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.

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.

Immunogen

An amino acid sequence from the C-terminus of human ALOX12 (HHKEKYFSGPKPKAVLNQFR) was used as the immunogen for this 12 Lipoxygenase antibody.

Storage

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