

## ALOX12 12 Lipoxygenase Antibody HRP Conjugated

Catalog No: #C04987H

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## Description

Product Name	ALOX12 12 Lipoxygenase Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human 12 Lipoxygenase
Conjugates	HRP
Target Name	ALOX12 12 Lipoxygenase
Other Names	12 Lox; 12S lipoxygenase; 12S LOX; Alox 12; Alox12; Alox12L; Alox15; Arachidonate 12 lipoxygenase 12S type; Arachidonate 12 lipoxygenase; Arachidonate 12 lipoxygenase leukocyte type; Arachidonate 12 lipoxygenase, 12S type; Arachidonate 12 lipoxygenase, leukocyte type; EC1.13.11.31; LOG 12; LOG12; PI
Accession No.	NCBI Gene ID239
Uniprot	P18054
GeneID	239;
Excitation Emission	N A
Cell Localization	Cytoplasm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

WB=1:500-2000

## Background

12 Lipoxygenase is a non heme iron containing dioxygenase which stereospecifically incorporates molecular oxygen into cis,cis-1,4-pentadiene containing polyunsaturated fatty acids. Murine leukocyte 12 Lipoxygenase oxidizes arachidonic acid to 12(S)-HpETE and 15(S)-HpETE in a ratio of 3:1. Murine leukocyte 12 Lipoxygenase is a 75 kDa protein which is 58% homologous to murine platelet 12 Lipoxygenase, and 70% homologous to porcine leukocyte 12 Lipoxygenase.

Note: This product is for in vitro research use only