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Datasheet for ABIN750472
anti-ALOX12 antibody (AA 101-200) (HRP)

Overview

Quantity:	100 µL
Target:	ALOX12
Binding Specificity:	AA 101-200
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALOX12 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human 12 Lipoxygenase
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Cow
Purification:	Purified by Protein A.

Target Details

Target:	ALOX12
Alternative Name:	ALOX12/12 Lipoxygenase (ALOX12 Products)
Background:	Synonyms: 12 Lox, 12S lipoxygenase, 12S LOX, Alox 12, Alox12, Alox12L, Alox15, Arachidonate

Target Details

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, Platelet type 12 lipoxygenase, Platelet type lipoxygenase 12, P-12-LOX.

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.

Gene ID: 239

Pathways: [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months