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Datasheet for ABIN7144529

anti-ALOX12 antibody (AA 508-658) (Biotin)

Overview

Quantity:	100 µg
Target:	ALOX12
Binding Specificity:	AA 508-658
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALOX12 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Arachidonate 12-lipoxygenase, 12S-type protein (508-658AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ALOX12
Alternative Name:	ALOX12 (ALOX12 Products)
Background:	Background: Non-heme iron-containing dioxygenase that catalyzes the stereo-specific peroxidation of free and esterified polyunsaturated fatty acids generating a spectrum of

Target Details

bioactive lipid mediators. Mainly converts arachidonic acid to (12S)-hydroperoxyeicosatetraenoic acid/(12S)-HPETE but can also metabolize linoleic acid. Has a dual activity since it also converts leukotriene A4/LTA4 into both the bioactive lipoxin A4/LXA4 and lipoxin B4/LXB4. Through the production of specific bioactive lipids like (12S)-HPETE it regulates different biological processes including platelet activation. It also probably positively regulates angiogenesis through regulation of the expression of the vascular endothelial growth factor. Plays a role in apoptotic process, promoting the survival of vascular smooth muscle cells for instance. May also play a role in the control of cell migration and proliferation.

Aliases: 12 LOX antibody, 12(S) lipoxygenase antibody, 12-lipoxygenase antibody, 12LO antibody, 12S LOX antibody, 12S-lipoxygenase antibody, 12S-LOX antibody, 12S-type antibody, Alox12 antibody, Arachidonate 12 lipoxygenase antibody, Arachidonate 12 lipoxygenase, 12S type antibody, Arachidonate 12-lipoxygenase antibody, Arachidonate 12-oxidoreductase antibody, Lipoxin synthase 12-LO antibody, LOG12 antibody, LOX12_HUMAN antibody, P-12LO antibody, Platelet 12-LOX antibody, Platelet type lipoxygenase 12 antibody, platelet-type 12-lipoxygenase antibody, Platelet-type lipoxygenase 12 antibody

UniProt: [P18054](#)

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

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.