

Rabbit anti-Human ALOX12 / 12 Lipoygenase Polyclonal Antibody | anti-ALOX12 antibody

Anti-ALOX12 / 12 Lipoygenase Antibody (aa618-650) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162167	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, Immunofluorescence, Immunohistochemistry

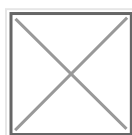
PRODUCT SYNONYMS

ALOX12 / 12 Lipoygenase; Polyclonal Antibody; Anti-ALOX12 / 12 Lipoygenase Antibody (aa618-650) IHC-plus; Rabbit Polyclonal to Human ALOX12 / 12 Lipoygenase; Human ALOX12 / 12 Lipoygenase; 12S-lipoygenase; 12-lipoygenase; 12S-LOX; 12(S)-lipoygenase; 12-LOX; 12 Lipoygenase; Arachidonate 12-lipoygenase; LOG12; Platelet 12-LOX; Platelet-type 12-lipoygenase; Platelet-type lipoygenase 12; anti-ALOX12 antibody

PRODUCT SPECIFICATIONS

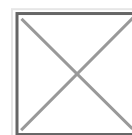
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human 12 Lipoygenase / ALOX12
Purity/Purification	Ammonium sulfate precipitation
Form/Format	PBS, 0.09% sodium azide
Sequence Length	663
Applicable Applications for anti-ALOX12 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	ALOX12 / 12 Lipoygenase antibody was raised against KLH-conjugated synthetic peptide from C-terminal region of human ALOX12.
Immunogen Description	KLH-conjugated synthetic peptide from C-terminal region of human ALOX12.
Immunogen Type	Synthetic peptide
Antigen Modification	aa618-650
Target Species	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

ALOX12 Antibody flow cytometry of k562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

Western blot of ALOX12 Antibody in K562 cell line lysates (35 ug/lane). ALOX12 (arrow) was detected using the purified antibody.



IF (Immunofluorescence)

Immunofluorescence of A549 cells, using ALOX12 Antibody. Antibody was diluted at 1:100 dilution. Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Dylight Fluor 554 (red) conjugated Phalloidin (red).



IHC (Immunohistochemistry)

Anti-ALOX12/12 Lipoxygenase/12-LOX antibody IHC staining of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:50.

ADDITIONAL INFORMATION

Related Product Information for anti-ALOX12 antibody

ALOX12 Antibody, 12S-lipoxygenase Antibody, 12-lipoxygenase Antibody, 12S-LOX Antibody, 12(S)-lipoxygenase Antibody, 12-LOX Antibody, 12 Lipoxygenase Antibody, Arachidonate 12-lipoxygenase Antibody, LOG12 Antibody, Platelet 12-LOX Antibody, Platelet-type 12-lipoxygenase Antibody, Platelet-type lipoxygenase 12 Antibody
Description: Non-heme iron-containing dioxygenase that catalyzes the stereo-specific peroxidation of free and esterified polyunsaturated fatty acids generating a spectrum of 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	154426292
NCBI GeneID	239
NCBI Accession #	NP_000688.2
NCBI GenBank Nucleotide #	NM_000697.2
UniProt Accession #	P18054 ; O95569 ; Q6ISF8 ; Q9UQM4
Molecular Weight	75,694 Da
NCBI Official Full Name	arachidonate 12-lipoxygenase, 12S-type
NCBI Official Synonym Full Names	arachidonate 12-lipoxygenase
NCBI Official Symbol	ALOX12
NCBI Official Synonym Symbols	LOG12; 12-LOX; 12S-LOX
NCBI Protein Information	arachidonate 12-lipoxygenase, 12S-type
UniProt Protein Name	Arachidonate 12-lipoxygenase, 12S-type
UniProt Gene Name	ALOX12
UniProt Synonym Gene Names	12LO; LOG12; 12S-LOX; 12S-lipoxygenase
UniProt Entry Name	LOX12_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/alox12-12-lipoxygenase-antibody-flow-cytometry-western-blot-immunofluorescence-immunohistochemistry-elisa/162167>