

Rabbit anti-Human ALOX12 Polyclonal Antibody | anti-ALOX12 antibody

ALOX12 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285210	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

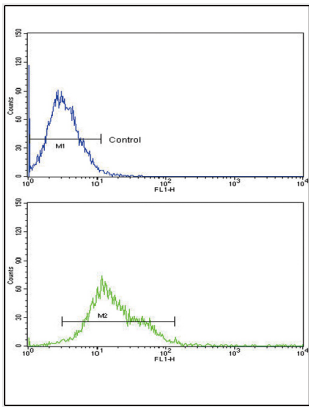
PRODUCT SYNONYMS

ALOX12; Polyclonal Antibody; ALOX12 Antibody (C-term); Arachidonate 12-lipoxygenase; 12S-type; 12S-LOX; 12S-lipoxygenase; Lipoxin synthase 12-LO; 332-; Platelet-type lipoxygenase 12; 12LO; LOG12; anti-ALOX12 antibody

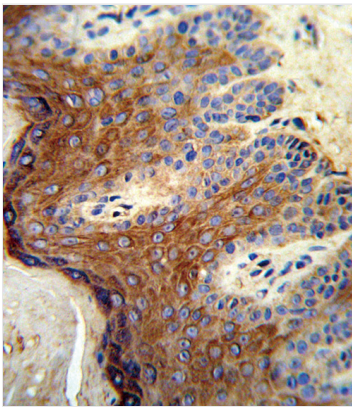
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ALOX12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 618-650 amino acids from the C-terminal region of human ALOX12.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	618-650
Sequence Length	663
Applicable Applications for anti-ALOX12 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	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 in small aliquots to prevent freeze-thaw cycles.

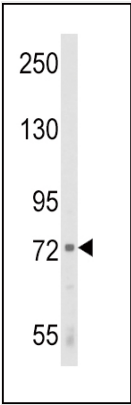
IMAGES



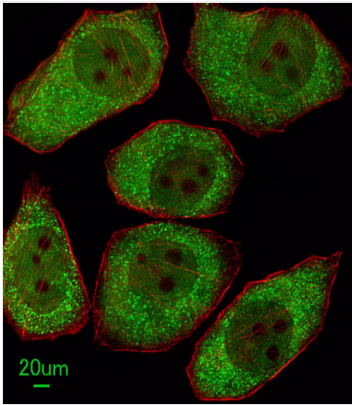
FCM/FACS (Flow Cytometry)
ALOX12 Antibody (C-term) flow cytometric analysis of k562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human skin tissue reacted with ALOX12 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ALOX12 Antibody (C-term) in K562 cell line lysates (35ug/lane). ALOX12 (arrow) was detected using the purified Pab.



IF (Immunofluorescence)
Immunofluorescent analysis of A549 cells, using ALOX12 Antibody (C-term). AAA285210 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).

ADDITIONAL INFORMATION

Related Product Information for anti-ALOX12 antibody	Oxygenase and 14,15-leukotriene A4 synthase activity.
Product Categories/Family for anti-ALOX12 antibody	Crown Antibodies; Cancer; Cardiovascular; Neuroscience
References	Yoshimoto,T., et.al., Biochem. Biophys. Res. Commun. 172 (3), 1230-1235 (1990)

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	75694

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://www.aaabiotech.com/polyclonal/alox12-antibody-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/285210>