

Rabbit anti-Human ALOX5 Polyclonal Antibody | anti-ALOX5 antibody

ALOX5 Antibody

CATALOG # AAA303231	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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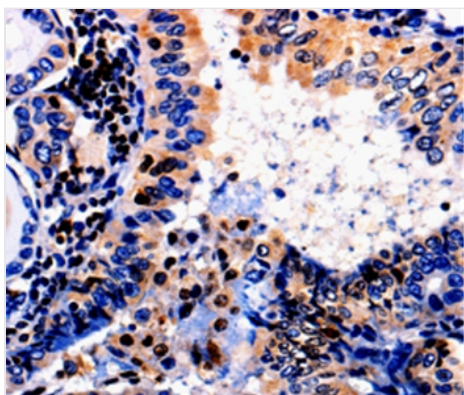
PRODUCT SYNONYMS

ALOX5; Polyclonal Antibody; ALOX5 Antibody; 5-LO; 5LPG; LOG5; 5-LOX; anti-ALOX5 antibody

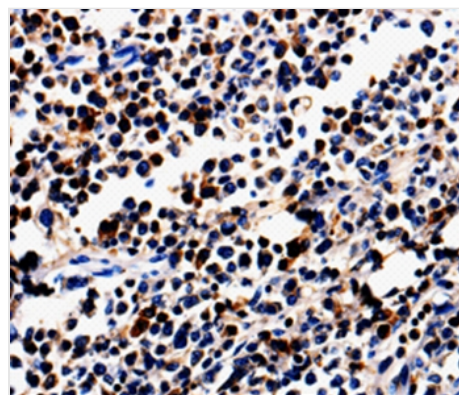
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total ALOX5 protein.
Purity/Purification	Antigen affinity purification.
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Concentration	0.7 mg/ml (varies by lot)
Sequence Length	674
Applicable Applications for anti-ALOX5 antibody	IHC (Immunohistochemistry)
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human Arachidonate 5-lipoxygenase
Target Name	ALOX5
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/50.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using at dilution 1/50.

ADDITIONAL INFORMATION

Related Product Information for anti-ALOX5 antibody	This gene encodes a member of the lipoxygenase gene family and plays a dual role in the synthesis of leukotrienes from arachidonic acid. The encoded protein, which is expressed specifically in bone marrow-derived cells, catalyzes the conversion of arachidonic acid to 5(S)-hydroperoxy-6-trans-8,11,14-cis-eicosatetraenoic acid, and further to the allylic epoxide 5(S)-trans-7,9-trans-11,14-cis-eicosatetrenoic acid (leukotriene A4). Leukotrienes are important mediators of a number of inflammatory and allergic conditions. Mutations in the promoter region of this gene lead to a diminished response to antileukotriene drugs used in the treatment of asthma and may also be associated with atherosclerosis and several cancers. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-ALOX5 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502057
NCBI GeneID	240
NCBI Accession #	NP_000689.1
NCBI GenBank Nucleotide #	NM_000698.3
UniProt Accession #	P09917; Q5JQ14; B7ZLS0; E5FPY5; E5FPY7; E5FPY8
Molecular Weight	56,291 Da
NCBI Official Full Name	arachidonate 5-lipoxygenase isoform 1
NCBI Official Synonym Full Names	arachidonate 5-lipoxygenase
NCBI Official Symbol	ALOX5
NCBI Official Synonym Symbols	5-LO; 5LPG; LOG5; 5-LOX
NCBI Protein Information	arachidonate 5-lipoxygenase
UniProt Protein Name	Arachidonate 5-lipoxygenase
UniProt Gene Name	ALOX5
UniProt Synonym Gene Names	LOG5; 5-LO; 5-lipoxygenase
UniProt Entry Name	LOX5_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alox5-antibody-immunohistochemistry-elisa/303231>