

Rabbit Arachidonate 5 Lipoxygenase Polyclonal Antibody | anti-ALOX5 antibody

Arachidonate 5 Lipoxygenase (Phospho-Ser271) Antibody

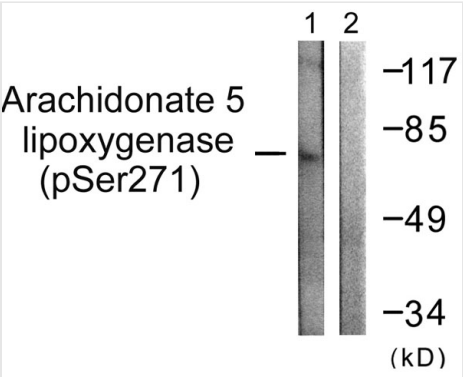
CATALOG # AAA316290	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Arachidonate 5 Lipoxygenase; Polyclonal Antibody; Arachidonate 5 Lipoxygenase (Phospho-Ser271) Antibody; 5-lipoxygenase; ALOX5; Arachidonate 5-lipoxygenase; LOG5; LOX5; anti-ALOX5 antibody

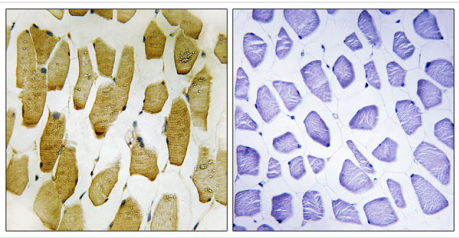
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Arachidonate 5 Lipoxygenase (Phospho-Ser271) Antibody detects endogenous levels of Arachidonate 5 Lipoxygenase only when phosphorylated at Ser271.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	484
Applicable Applications for anti-ALOX5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Target Modification	Phospho
Modification Sites	H:S272; M:S272; R:S271
Immunogen	The antiserum was produced against synthesized peptide derived from human Arachidonate 5 Lipoxygenase around the phosphorylation site of Ser271.
Immunogen Range	246-295
Preparation and Storage	Stable at -20 degree C for at least 1 year.



WB (Western Blot)

Western blot analysis of lysates from HUVEC cells, using Arachidonate 5 Lipxygenase (Phospho-Ser271) Antibody. The lane on the right is blocked with the phospho peptide.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human skeletal muscle, using Arachidonate 5 Lipxygenase (Phospho-Ser271) Antibody. The picture on the right is blocked with the phospho peptide.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502057
NCBI GeneID	240
NCBI Accession #	NP_000689.1
NCBI GenBank Nucleotide #	NM_000698.4
UniProt Accession #	P09917; Q5JQ14; B7ZLS0; E5FPY5; E5FPY7; E5FPY8
Molecular Weight	77 kDa
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

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.