

Arachidonate 5 Lipoxygenase Antibody | anti-ALOX5 antibody

Arachidonate 5 Lipoxygenase (Phospho-Ser271) Antibody

CATALOG # AAA109556	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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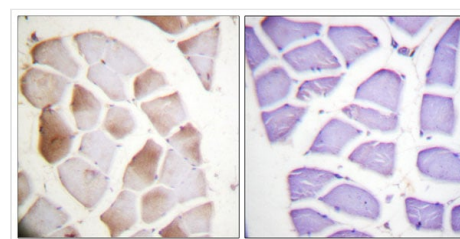
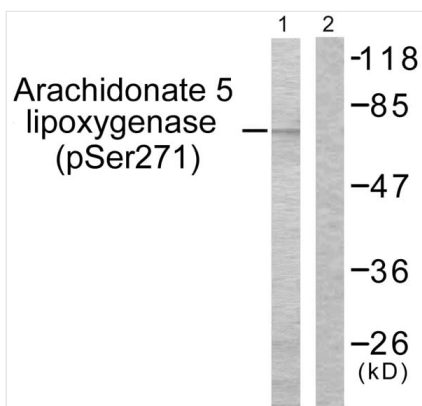
PRODUCT SYNONYMS

Arachidonate 5 Lipoxygenase; Arachidonate 5 Lipoxygenase (Phospho-Ser271) Antibody; 5-lipoxygenase; Arachidonate 5-lipoxygenase; EC 1.13.11.34; LOG5; LOX5; anti-ALOX5 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	Arachidonate 5 Lipoxygenase (Phospho-Ser271) antibody detects endogenous levels of Arachidonate 5 lipoxygenase only when phosphorylated at serine 271.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	674
Applicable Applications for anti-ALOX5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Arachidonate 5 lipoxygenase around the phosphorylation site of serine 271 (Q-L-SP-L-E).
All Sites	Human: Ser272 Mouse: Ser272 Rat: Ser271
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue using Arachidonate 5 Lipoxygenase (Phospho-Ser271) antibody. Western blot analysis of extracts from HuvEc cells, using Arachidonate 5 Lipoxygenase (Phospho-Ser271) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ALOX5 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	RJ Boado, PNAS, Oct 1992; 89: 9044. K Ochi, J. Biol. Chem., May 1983; 258: 5754-5758. N Ueda, J. Biol. Chem., Jun 1986; 261: 7982-7988. Jagadananda Ghosh, PNAS, Oct 1998; 95: 13182.

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	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

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/alox5-human-mouse-rat-antibody/arachidonate-5-lipoxygenase/109556>