



Anti-ALOX15B monoclonal antibody (DCABH-10499)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the lipoxygenase family of structurally related nonheme iron dioxygenases involved in the production of fatty acid hydroperoxides. The encoded protein converts arachidonic acid exclusively to 15S-hydroperoxyeicosatetraenoic acid, while metabolizing linoleic acid less effectively. This gene is located in a cluster of related genes and a pseudogene that spans approximately 100 kilobases on the short arm of chromosome 17. Alternatively spliced transcript variants encoding different isoforms have been described.
Immunogen	A synthetic peptide of human ALOX15B is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ALOX15B arachidonate 15-lipoxygenase, type B [Homo sapiens]
Official Symbol	ALOX15B
Synonyms	ALOX15B; arachidonate 15-lipoxygenase, type B; arachidonate 15 lipoxygenase, second type; arachidonate 15-lipoxygenase B; 15 LOX 2; 15-LOX-B; 15S-lipoxygenase; arachidonate 15-lipoxygenase 2; arachidonate omega(6) lipoxygenase; arachidonate 15-lipoxygenase type II; arachidonate 15-lipoxygenase, second type; 15-LOX-2;
Entrez Gene ID	247
Protein Refseq	NP_001034219
UniProt ID	O15296
Chromosome Location	17p13.1
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Eicosanoid Synthesis, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Selenium Pathway, organism-specific biosystem; Serotonergic synapse, organism-specific biosystem.
Function	arachidonate 15-lipoxygenase activity; iron ion binding; lipoxygenase activity; metal ion binding; oxidoreductase activity;