

Datasheet for ABIN2789351
anti-ALOX5 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	ALOX5
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Dog, Cow, Rabbit, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALOX5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human ALOX5
Sequence:	FGQLFLGMYP EEHFIEKPVK EAMARFRKNL EAIVSVIAER NKKKQLPYYY
Predicted Reactivity:	Cow: 86%, Dog: 79%, Guinea Pig: 92%, Horse: 86%, Human: 100%, Mouse: 86%, Rabbit: 86%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against ALOX5. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ALOX5
Alternative Name:	ALOX5 (ALOX5 Products)

Target Details

Background:	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. Protein Interaction Partner: CEP57L1, NUTM1, SYCE1, CEP63, HHIPL2, COTL1, MAD1L1, REL, MEOX1, PIK3R1, DICER1, MAPKAPK2, LTC4S, ALOX5AP, APP, TGFBRAP1, GRB2, ACTB, Protein Size: 617
Molecular Weight:	67 kDa
Gene ID:	240
NCBI Accession:	NP_001243083
UniProt:	B7ZLS0

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1.