

Datasheet for ABIN6136008
anti-ALOX5 antibody (pSer271)



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1 Image

Overview

Quantity:	100 µL
Target:	ALOX5
Binding Specificity:	pSer271
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALOX5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthetic phosphorylated peptide around S271 of human ALOX5 (NP_000689.1).
Sequence:	QLSLE
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

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-eicosatetraenoic 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.,ALOX5,5-LO,5-LOX,5LPG,LOG5,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,Cardiovascular,Heart,Cardiovascular diseases,Heart disease,Protein phosphorylation,ALOX5
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Molecular Weight:	56 kDa/61 kDa/71 kDa/74 kDa/77 kDa
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Gene ID:	240
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UniProt:	P09917
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Application Details

Application Notes:	WB,1:500 - 1:2000
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Comment:	HIGH QUALITY
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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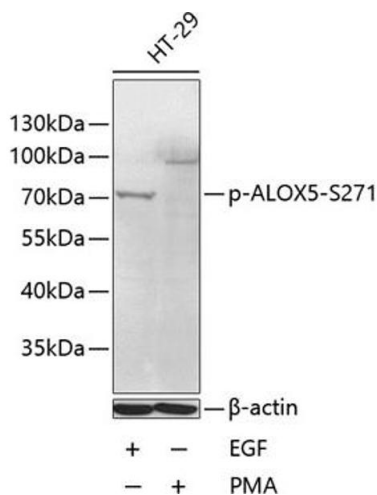
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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Western Blotting

Image 1. Western blot analysis of extracts of HT-29 cells, using Phospho-S271 antibody (ABIN6135181, ABIN6136008, ABIN6136009 and ABIN6225593) at 1:1000 dilution. HT-29 cells were treated by PMA/TPA (200nM).Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % BSA.