



Datasheet for ABIN669651
anti-ALOX5 antibody (AA 601-674)



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Overview

Quantity:	100 µL
Target:	ALOX5
Binding Specificity:	AA 601-674
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALOX5 antibody is un-conjugated
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse Arachidonate 5-lipoxygenase
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	ALOX5
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Target Details

Alternative Name:	5 lipoxygenase (ALOX5 Products)
Background:	Synonyms: 5LO, 5LX, 5-LO, 5-LOX, A185497, F7311J2, Arachidonate 5-lipoxygenase, 5-lipoxygenase, Alox5 Background: Catalyzes the first step in leukotriene biosynthesis, and thereby plays a role in inflammatory processes.
Gene ID:	11689
UniProt:	P48999

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

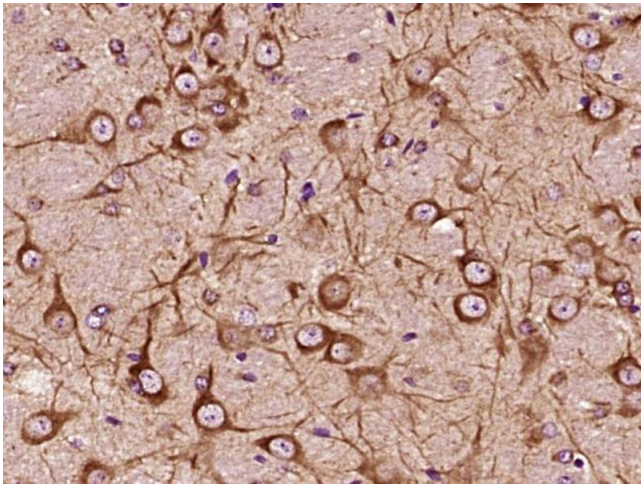
Publications

Product cited in:	Liang, Shi, Luo, Yang: "The protective effect of caffeic acid on global cerebral ischemia-
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reperfusion injury in rats." in: **Behavioral and brain functions : BBF**, Vol. 11, pp. 18, (2015) ([PubMed](#)).

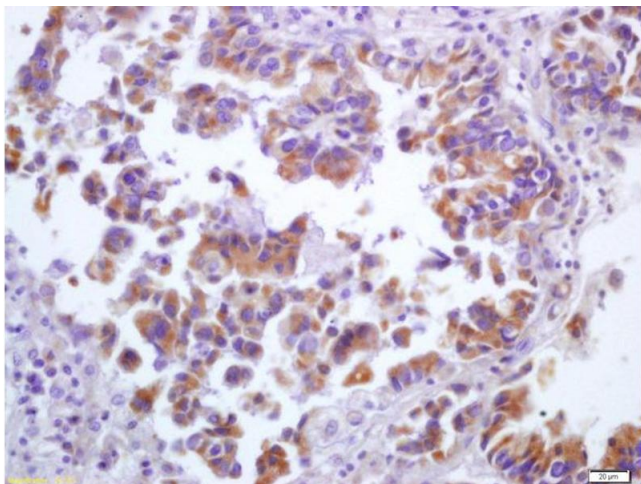
Wang, Wang, Gao, Qu: "The comparative study of acetyl-11-keto-beta-boswellic acid (AKBA) and aspirin in the prevention of intestinal adenomatous polyposis in APC(Min/+) mice." in: **Drug discoveries & therapeutics**, Vol. 8, Issue 1, pp. 25-32, (2014) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded Mouse brain Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes Blocking buffer (normal goat serum) at 37°C for 30min Antibody incubation with Arachidonate 5-lipoxygenase Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, DAB staining.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-5 lipoxygenase/ALOX5 Polyclonal Antibody, Unconjugated (ABIN669651) at 1:200 followed by conjugation to the secondary antibody and DAB staining