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anti-ALOX5 antibody (AA 461-671)





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Quantity:	100 μL
Target:	ALOX5
Binding Specificity:	AA 461-671
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ALOX5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

### **Product Details**

Purpose:	Monoclonal Antibody to 5-Lipoxygenase (5-LO)	
Immunogen:	Recombinant 5-Lipoxygenase (5-L0) corresdonding to Glu461~Ser671 with N-terminal His Tag	
Clone:	D10	
Isotype:	IgG2b kappa	
Specificity:	The antibody is a mouse monoclonal antibody raised against 5-LO. It has been selected for its ability to recognize 5-LO in immunohistochemical staining and western blotting.	
Cross-Reactivity:	Mouse, Rat	
Purification:	Protein A + Protein G affinity chromatography	

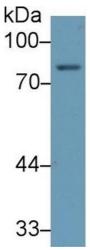
### **Target Details**

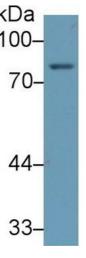
- ar get Betane	
Target:	ALOX5
Alternative Name:	5-Lipoxygenase (ALOX5 Products)
Background:	LOX5, 5-LOX, ALOX-5, ALOX5, 5LPG, LOG5, Lipoxygenase 5
Application Details	
Application Notes:	Western blotting: 0.5-2 μg/mL Immunohistochemistry: 5-20 μg/mL Immunocytochemistry: 5-

Application Notes:	Western blotting: 0.5-2 μg/mL Immunohistochemistry: 5-20 μg/mL Immunocytochemistry: 5-20 μg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated
	thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious
	degradation and precipitation were observed. The loss rate is less than 5% within the expiration
	date under appropriate storage condition.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 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:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months





**Western Blotting** 

**Western Blotting** 

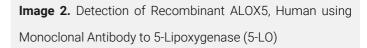


Image 1. Detection of 5-LO in Human Placenta lysate using

Monoclonal Antibody to 5-Lipoxygenase (5-LO)

