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## anti-CHIA antibody (N-Term)





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Background:

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Quantity:	400 μL
Target:	CHIA
Binding Specificity:	AA 20-47, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHIA antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)
Product Details	
Immunogen:	This CHIA antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 20-47 amino acids from the N-terminal region of human CHIA.
Clone:	RB23130
Isotype:	lg Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	CHIA
Alternative Name:	CHIA (CHIA Products)

CHIA degrades chitin and chitotriose. May participate in the defense against nematodes and

### **Target Details**

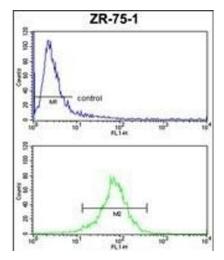
	other pathogens. There are 3 named isoforms produced by alternative splicing. CHIA is induced
	via a T helper-2 (Th2)-specific, interleukin-13-mediated pathway in epithelial cells and
	macrophages. CHIA may be an important mediator of IL13-induced responses in Th2-
	dominated disorders such as asthma. CHIA hydrolysis N-acetyl-beta-D-glucosaminide 1,4-beta-
	linkages in chitin and chitodextrins.
Molecular Weight:	52271
Gene ID:	27159
NCBI Accession:	NP_001035713, NP_001244930, NP_001244931, NP_001244932, NP_001244933,
	NP_001244934, NP_068569, NP_970615
UniProt:	Q9BZP6

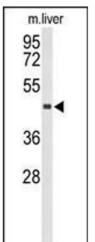
## **Application Details**

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

### Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months





#### **Flow Cytometry**

**Image 1.** CHIA Antibody (N-term) (ABIN653343 and ABIN2842827) FC analysis of ZR-75-1 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **Western Blotting**

**Image 2.** Western blot analysis of CHIA Antibody (N-term) (ABIN653343 and ABIN2842827) in mouse liver tissue lysates (35  $\mu$ g/lane). CHIA (arrow) was detected using the purified Pab.