

CHIA Rabbit pAb

CatalogNo: YN6664

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 52kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human CHIA

Specificity This antibody detects endogenous levels of CHIA at Human, Mouse, Rat

Target Information

Gene name CHIA

Protein Name	Acidic mammalian chitinase (AMCase) (Lung-specific protein TSA1902)		
	Organism	Gene ID	UniProt ID
	Human	27159;	Q9BZP6;
	Mouse	81600;	Q91XA9;
	Rat	113901;	Q6RY07;
Cellular Localization	[Isoform 1]: Secreted. Secretion depends on EGFR activity.; [Isoform 2]: Cytoplasm.; [Isoform 3]: Cytoplasm.		
Tissue specificity	Detected in lung epithelial cells from asthma patients (at protein level). Highly expressed in stomach. Detected at lower levels in lung.		
Function	Degrades chitin and chitotriose. May participate in the defense against nematodes, fungi and other pathogens. Plays a role in T-helper cell type 2 (Th2) immune response. Contributes to the response to IL-13 and inflammation in response to IL-13. Stimulates chemokine production by pulmonary epithelial cells. Protects lung epithelial cells against apoptosis and promotes phosphorylation of AKT1. Its function in the inflammatory response and in protecting cells against apoptosis is inhibited by allosamidin, suggesting that the function of this protein depends on carbohydrate binding.		

| Validation Data

| Contact information

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