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Datasheet for ABIN7466405 anti-CHIA antibody

Overview

Quantity:	100 µL
Target:	CHIA
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHIA antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human CHIA. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	CHIA
Alternative Name:	chitinase acidic (CHIA Products)
Background:	Chitinase acidic , AMCASE , CHIT2 , TSA1902,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

Target Details

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.

Molecular Weight: 52 kDa

Gene ID: 27159

UniProt: [Q9BZP6](#)

Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: Jurkat

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.