

Product datasheet

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ARG59940 anti-CHIA / AMCase antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes CHIA / AMCase

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name CHIA / AMCase

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1-368 of Human CHIA (NP_001244932.1).

Conjugation Un-conjugated

Alternate Names EC 3.2.1.14; Lung-specific protein TSA1902; CHIT2; TSA1902; AMCase; AMCASE; Acidic mammalian

chitinase

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat stomach and Mouse stomach	
Observed Size	50-55 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol CHIA

Gene Full Name chitinase, acidic

Background The protein encoded by this gene degrades chitin, which is found in the cell wall of most fungi as well as

in arthropods and some nematodes. The encoded protein can also stimulate interleukin 13 expression, and variations in this gene can lead to asthma susceptibility. Several transcript variants encoding a few

different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Function Degrades chitin and chitotriose. May participate in the defense against nematodes, fungi and other

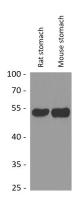
pathogens. Plays a role in T-helper cell type 2 (Th2) immune response. Contributes to the response to IL-13 and inflammation in response to IL-13. Stimulates chemokine production by pulmonary epithelial cells. Protects lung epithelial cells against apoptosis and promotes phosphorylation of AKT1. Its 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. [UniProt]

Calculated Mw 52 kDa

Cytoplasm. [UniProt]

Images



ARG59940 anti-CHIA / AMCase antibody WB image

Western blot: 25 μg of Rat stomach and Mouse stomach lysates stained with ARG59940 anti-CHIA / AMCase antibody at 1:1000 dilution.