

Rabbit anti-Human, mouse CHIA Polyclonal Antibody | anti-CHIA antibody

CHIA Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286935	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

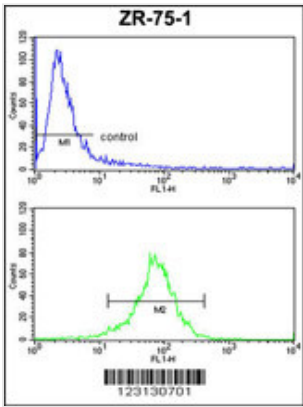
PRODUCT SYNONYMS

CHIA; Polyclonal Antibody; CHIA Antibody (N-term); Acidic mammalian chitinase; AMCase; Lung-specific protein TSA1902; anti-CHIA antibody

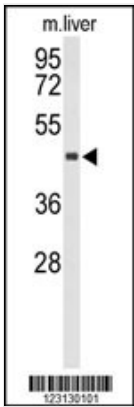
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.27 (varies by lot)
Sequence Positions	20-47
Sequence Length	315
Applicable Applications for anti-CHIA antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
CHIA Antibody (N-term) 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.



WB (Western Blot)
Western blot analysis of CHIA Antibody (N-term) in mouse liver tissue lysates (35ug/lane). CHIA (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CHIA antibody	CHIA degrades chitin and chitotriose. May participate in the defense against nematodes and 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.
Product Categories/Family for anti-CHIA antibody	Immunology; Neuroscience
References	Wu, A.C., et al. J. Allergy Clin. Immunol. 125(3):754-757(2010) Ober, C., et al. Curr Opin Allergy Clin Immunol 9(5):401-408(2009) Seibold, M.A., et al. J. Biol. Chem. 284(29):19650-19658(2009) Hartl, D., et al. J. Immunol. 182(8):5098-5106(2009) Lalaker, A., et al. Am J Rhinol Allergy 23(1):8-14(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	95147544
NCBI GeneID	27159
NCBI Accession #	NP_001035713.1; NP_001244930.1; NP_001244931.1; NP_001244932.1; NP_001244933.1; NP_001244934.1; NP_068569.2; NP_970615.2
NCBI GenBank Nucleotide #	NM_001040623.2
UniProt Accession #	Q9BZP6; Q32W79; Q32W80; Q3B866; Q5U5Z5; Q5VUV4; Q86UD8; Q9ULY3; Q9ULY4
Molecular Weight	52271
NCBI Official Full Name	acidic mammalian chitinase isoform b
NCBI Official Synonym Full Names	chitinase, acidic
NCBI Official Symbol	CHIA
NCBI Official Synonym Symbols	CHIT2; AMCASE; TSA1902
NCBI Protein Information	acidic mammalian chitinase
UniProt Protein Name	Acidic mammalian chitinase
UniProt Gene Name	CHIA

UniProt Synonym Gene Names	AMCase
UniProt Entry Name	CHIA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/chia-antibody-flow-cytometry-western-blot-elisa/286935>