

## 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 |

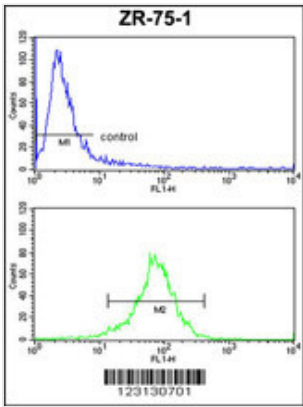
### PRODUCT SYNONYMS

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

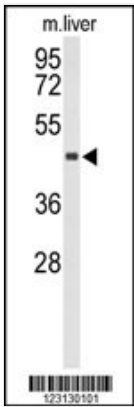
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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)<br>Ober, C., et al. Curr Opin Allergy Clin Immunol 9(5):401-408(2009)<br>Seibold, M.A., et al. J. Biol. Chem. 284(29):19650-19658(2009)<br>Hartl, D., et al. J. Immunol. 182(8):5098-5106(2009)<br>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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/chia-antibody-flow-cytometry-western-blot-elisa/286935>