

## Rabbit CHIA Polyclonal Antibody | anti-CHIA antibody

CHIA antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                                                                                | APPLICATIONS |
|-----------|--------|-----------------------------------------------------------------------------------------------------------|--------------|
| AAA199146 | Rabbit | Tested Species Reactivity: Human<br>Predicted Species Reactivity: Cow, Dog, Horse, Human, Mouse, Pig, Rat | Western Blot |

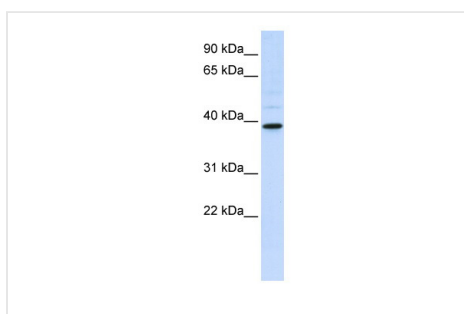
### PRODUCT SYNONYMS

CHIA; Polyclonal Antibody; CHIA antibody - middle region; anti-CHIA antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Tested Species Reactivity: Human<br>Predicted Species Reactivity: Cow, Dog, Horse, Human, Mouse, Pig, Rat                                             |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Concentration                                  | 0.5mg/mL (varies by lot)                                                                                                                              |
| Sequence                                       | Synthetic peptide with the following sequence: GS WEGYTGENSEP LYKYPTDTGS NAYLNVDYVM NYWKDNGAPA EKLIVGFP                                               |
| Sequence Length                                | 368                                                                                                                                                   |
| Applicable Applications for anti-CHIA antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                       | Cow: 100%; Dog: 93%; Horse: 86%; Human: 100%; Mouse: 93%; Pig: 100%; Rat: 86%                                                                         |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the middle region of human CHIA                                                                 |
| Protein Size (#AA)                             | 368 amino acids                                                                                                                                       |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

WB Suggested Anti-CHIA Antibody Titration: 0.2-1 ug/mL

ELISA Titer: 1:312500

Positive Control: Hela cell lysate

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CHIA antibody | <p>This is a rabbit polyclonal antibody against CHIA. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: CHIA belongs to the glycosyl hydrolase 18 family. Chitinase class II subfamily. It contains 1 chitin-binding type-2 domain. The protein degrades chitin and chitotriose. And it may participate in the defense against nematodes and other pathogens.</p> |
| Product Categories/Family for anti-CHIA antibody   | <a href="#">Polyclonal</a> ; <a href="#">Signal Proteins</a> ; <a href="#">Lymphocyte Signaling</a> ; <a href="#">Drugs and Drug Metabolism</a> ; <a href="#">DNA/RNA/Protein Interactions</a>                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                      |
|----------------------------------|--------------------------------------|
| NCBI GI #                        | 42542398                             |
| NCBI GeneID                      | 27159                                |
| NCBI Accession #                 | NP_068569                            |
| NCBI GenBank Nucleotide #        | NM_021797                            |
| UniProt Accession #              | Q9BZP6                               |
| Molecular Weight                 | 40kDa                                |
| NCBI Official Full Name          | acidic mammalian chitinase isoform a |
| 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.