

Rabbit AMCase/CHIA Polyclonal Antibody | anti-CHIA antibody

Anti-AMCase/CHIA Antibody Picoband

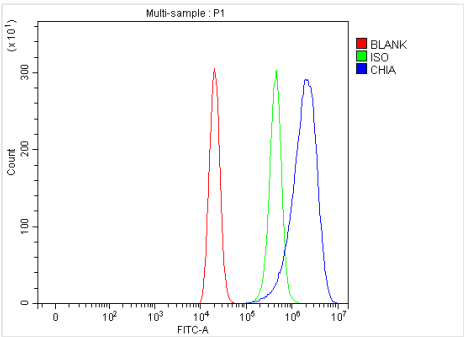
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126024	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

AMCase/CHIA; Polyclonal Antibody; Anti-AMCase/CHIA Antibody Picoband; anti-CHIA antibody

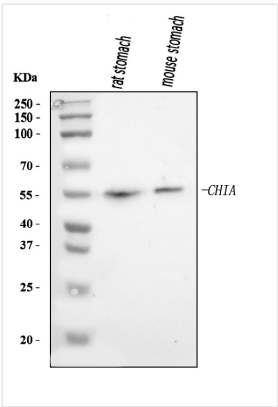
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CHIA antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human AMCase/CHIA recombinant protein (Position: L228-A476).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of THP-1 cells using anti-AMCase/CHIA antibody (AAA126024).Overlay histogram showing THP-1 cells stained with AAA126024 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-AMCase/CHIA Antibody (AAA126024, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of AMCase/CHIA using anti-AMCase/CHIA antibody (AAA126024).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: rat stomach tissue lysates,Lane 2: mouse stomach tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-AMCase/CHIA antigen affinity purified polyclonal antibody (#AAA126024) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for AMCase/CHIA at approximately 55 kDa. The expected band size for AMCase/CHIA is at 55 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CHIA antibody	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.
Product Categories/Family for anti-CHIA antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	37999771
NCBI GeneID	27159
UniProt Accession #	Q9BZP6; Q32W79; Q32W80; Q3B866; Q5U5Z5; Q5VUV4; Q86UD8; Q9JUL3; Q9JUL4
Molecular Weight	476
NCBI Official Full Name	Acidic mammalian chitinase
NCBI Official Synonym Full Names	chitinase, acidic
NCBI Official Symbol	CHIA
NCBI Official Synonym Symbols	CHIT2; AMCASE; TSA1902
NCBI Protein Information	acidic mammalian chitinase; lung-specific protein TSA1902
UniProt Protein Name	Acidic mammalian chitinase
UniProt Gene Name	CHIA
UniProt Synonym Gene Names	AMCase

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/amcase-chia-antibody-flow-cytometry-western-blot-elisa/126024>