

Rabbit anti-Human ZC3H7A Polyclonal Antibody | anti-ZC3H7A antibody

Anti-ZC3H7A Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126635	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

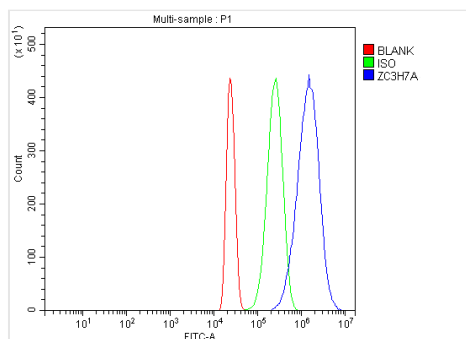
PRODUCT SYNONYMS

ZC3H7A; Polyclonal Antibody; Anti-ZC3H7A Antibody Picoband; anti-ZC3H7A antibody

PRODUCT SPECIFICATIONS

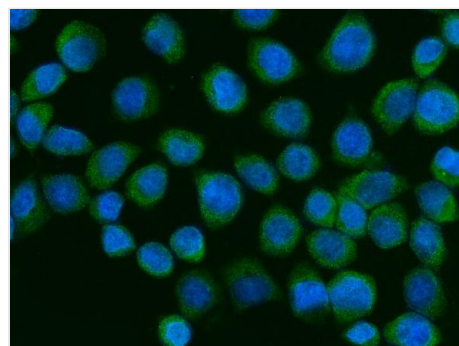
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ZC3H7A antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human ZC3H7A recombinant protein (Position: Q13-R717).
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.

IMAGES



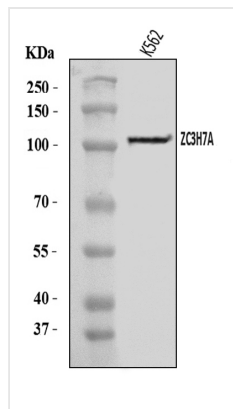
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HL-60 cells using anti-ZC3H7A antibody (AAA126635). Overlay histogram showing HL-60 cells stained with AAA126635 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ZC3H7A Antibody (AAA126635, 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.



IF (Immunofluorescence)

Figure 2. IF analysis of ZC3H7A using anti-ZC3H7A antibody (AAA126635). ZC3H7A was detected in an immunocytochemical section of SiHa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-ZC3H7A Antibody (AAA126635) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of ZC3H7A using anti-ZC3H7A antibody (AAA126635). 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: human K562 whole cell 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-ZC3H7A antigen affinity purified polyclonal antibody (#AAA126635) 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 ZC3H7A at approximately 111 kDa. The expected band size for ZC3H7A is at 111 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ZC3H7A antibody	ZC3H7A (Zinc Finger CCCH-Type Containing 7A, also known as ZC3H7; HSPC055; ZC3HDC7), a member of CCCH gene family, is located on human chromosome 16p13.13. ZC3H7A is associated with some diseases, including Endometrial Stromal Tumor and Endometrial Stromal Sarcoma. An important paralog of this gene is ZC3H7B. The CCCH zinc finger motif has been found in proteins from organisms ranging from man to yeast. The CCCH proteins are a large family of zinc finger containing C3H-type motifs and much evidences proved that they may be RNA-binding proteins functioning in RNA processing. In mouse, tristetraprolin, a protein containing two CCCH zinc fingers, binds directly to AU-rich elements within the 3'-untranslated region of target transcripts to facilitate mRNA degradation. Zfp3612, like its better-known relative TTP, is a mRNA-binding and destabilizing protein, functions in the physiological control of female fertility at the level of early embryonic development. The PIE-1 is an essential regulator of Caenorhabditis elegans germ cell fate that segregates with the germ lineage by inhibition of transcription or activation of protein expression from maternal RNAs.
Product Categories/Family for anti-ZC3H7A antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	27370665
NCBI GeneID	29066
UniProt Accession #	Q8IWR0 ; Q9NPE9 ; D3DUG5
Molecular Weight	110,538 Da
NCBI Official Full Name	ZC3H7A protein, partial
NCBI Official Synonym Full Names	zinc finger CCCH-type containing 7A
NCBI Official Symbol	ZC3H7A
NCBI Official Synonym Symbols	ZC3H7; HSPC055; ZC3HDC7
NCBI Protein Information	zinc finger CCCH domain-containing protein 7A; zinc-finger protein AY163807; zinc finger CCCH type domain containing 7; zinc finger CCCH-type domain containing 7

UniProt Protein Name	Zinc finger CCCH domain-containing protein 7A
UniProt Gene Name	ZC3H7A
UniProt Synonym Gene Names	ZC3H7; ZC3HDC7
UniProt Entry Name	Z3H7A_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

Online datasheet: <https://www.aaabiotech.com/polyclonal/zc3h7a-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126635>