

Rabbit APLP1 Polyclonal Antibody | anti-APLP1 antibody

Anti-APLP1 Antibody Picoband

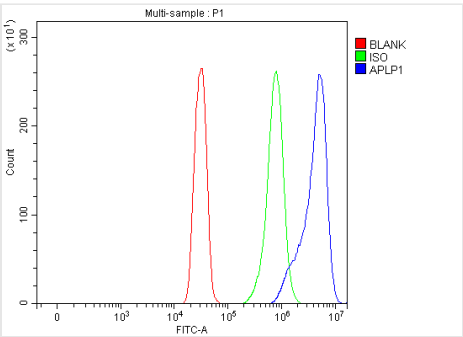
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127206	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

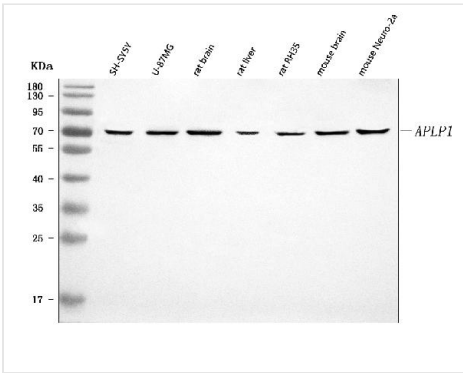
APLP1; Polyclonal Antibody; Anti-APLP1 Antibody Picoband; Eukaryotic initiation factor 4A-I; FOS like 1; AP-1 transcription factor subunit; Fos-related antigen 1; FRA-1; FOSL1; FRA1; anti-APLP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Adipocytes.
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 .
Applicable Applications for anti-APLP1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human APLP1 recombinant protein (Position: Q55-Q566).
Subcellular Localization	Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.
Preparation and Storage	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 SiHa cells using anti-APLP1 antibody (AAA127206). Overlay histogram showing SiHa cells stained with AAA127206 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-APLP1 Antibody (AAA127206, 1ug/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 (1ug/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 APLP1 using anti-APLP1 antibody (AAA127206). 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 SH-SY5Y whole cell lysates, Lane 2: human U-87MG whole cell lysates, Lane 3: rat brain tissue lysates, Lane 4: rat liver tissue lysates, Lane 5: rat RH35 whole cell lysates, Lane 6: mouse brain tissue lysates, Lane 7: mouse Neuro-2a 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-APLP1 antigen affinity purified polyclonal antibody (#AAA127206) at 0.5ug/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 APLP1 at approximately 72 kDa. The expected band size for APLP1 is at 72,97 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-APLP1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-APLP1 antibody	Primary Antibodies; Domain Families; Epigenetics and Nuclear Signaling; Hlh/Leucine Zipper; Transcription; Transcription Factors
References	1?Lenkkeri, U., Kestila, M., Lamerdin, J., McCready, P., Adamson, A., Olsen, A., Tryggvason, K. Structure of the human amyloid-precursor-like protein gene APLP1 at 19q13.1. Hum. Genet. 102: 192-196, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28558769
NCBI GeneID	333
UniProt Accession #	P51693; O00113; Q96A92
Molecular Weight	650
NCBI Official Full Name	Amyloid-like protein 1
NCBI Official Synonym Full Names	amyloid beta (A4) precursor-like protein 1
NCBI Official Symbol	APLP1
NCBI Official Synonym Symbols	APLP
NCBI Protein Information	amyloid-like protein 1; APLP-1; amyloid precursor-like protein 1
UniProt Protein Name	Amyloid-like protein 1
UniProt Gene Name	APLP1

UniProt Synonym Gene Names	APLP; APLP-1
UniProt Entry Name	APLP1_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://stage.aaabiotech.com/polyclonal/aplp1-antibody-flow-cytometry-western-blot-elisa/127206>