

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

Anti-ARPIN Antibody Picoband

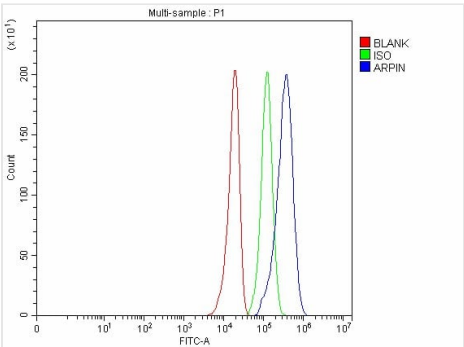
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127516	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

ARPIN; Polyclonal Antibody; Anti-ARPIN Antibody Picoband; Arpin; actin related protein 2/3 complex inhibitor; C15orf38; Arp2/3 inhibition protein; anti-ARPIN antibody

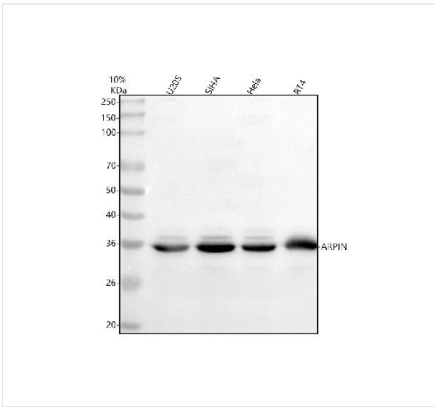
PRODUCT SPECIFICATIONS

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 .
Applicable Applications for anti-ARPIN antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human ARPIN, which shares 81.8% amino acid (aa) sequence identity with mouse ARPIN.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
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 U251 cells using anti-ARPIN antibody (AAA127516).Overlay histogram showing U251 cells stained with AAA127516 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-ARPIN Antibody (AAA127516, 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of ARPIN using anti-ARPIN antibody (AAA127516).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 U20S whole cell lysates,Lane 2: human SiHa whole cell lysates,Lane 3: human Hela whole cell lysates,Lane 4: human RT4 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-ARPIN antigen affinity purified polyclonal antibody (#AAA127516) 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 ARPIN at approximately 35 kDa. The expected band size for ARPIN is at 25 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ARPIN 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-ARPIN antibody	Primary Antibodies
References	1. Dang, I., Gorelik, R., Sousa-Blin, C., Derivery, E., Guerin, C., Linkner, J., Nemethova, M., Dumortier, J. G., Giger, F. A., Chipysheva, T. A., Ermilova, V. D., Vacher, S., and 22 others. Inhibitory signalling to the Arp2/3 complex steers cell migration. Nature 503: 281-284, 2013.2. Hartz, P.A. Personal Communication. Baltimore, Md. 11/22/2013.

NCBI AND UNIPROT INFORMATION

NCBI GI #	312261267
NCBI GeneID	100526783
NCBI Accession #	NP_001185987.1
NCBI GenBank Nucleotide #	NM_001199058.1
UniProt Accession #	Q7Z6K5; E2QRD5
Molecular Weight	24,943 Da
NCBI Official Full Name	C15orf38-AP3S2 fusion protein
NCBI Official Synonym Full Names	C15orf38-AP3S2 readthrough
NCBI Official Symbol	C15orf38-AP3S2
NCBI Protein Information	C15orf38-AP3S2 fusion protein

UniProt Protein Name	Arpin
UniProt Gene Name	ARPIN
UniProt Synonym Gene Names	C15orf38
UniProt Entry Name	ARPIN_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://www.aaabiotech.com/polyclonal/arpin-antibody-flow-cytometry-western-blot-elisa/127516>