

Rabbit ARPC1A Polyclonal Antibody | anti-ARPC1A antibody

ARPC1A Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289158	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

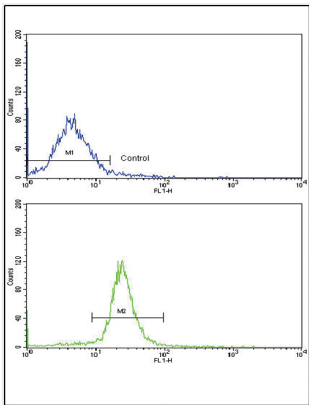
PRODUCT SYNONYMS

ARPC1A; Polyclonal Antibody; ARPC1A Antibody (C-term); Actin-related protein 2/3 complex subunit 1A; SOP2-like protein; SOP2L; anti-ARPC1A antibody

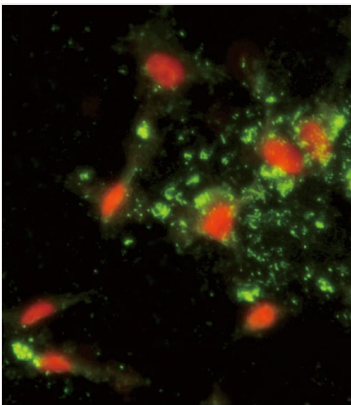
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ARPC1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 286-315 amino acids from the C-terminal region of human ARPC1A.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	286-315
Sequence Length	370
Applicable Applications for anti-ARPC1A antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

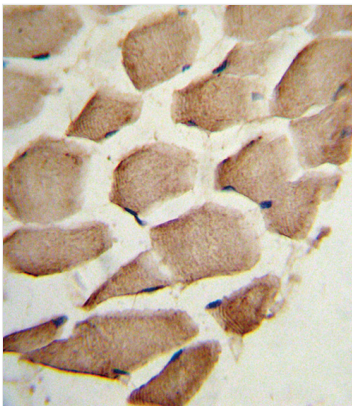
IMAGES



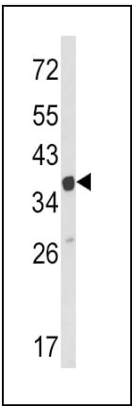
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of WiDr cells using ARPC1A Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Immunofluorescence analysis of ARPC1A Antibody (C-term) with hela cells. 0.025 mg/ml primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence.Red counterstaining is PI.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human skeletal muscle reacted with ARPC1A Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ARPC1A Antibody (C-term) in HeLa cell line lysates (35ug/lane). ARPC1A (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ARPC1A antibody	ARPC1A is one of seven subunits of the human Arp2/3 protein complex. This subunit is a member of the SOP2 family of proteins and is most similar to the protein ARPC1B. The similarity between these two proteins suggests that they both may function as p41 subunit of the human Arp2/3 complex that has been implicated in the control of actin polymerization in cells. It is possible that the p41 subunit is involved in assembling and maintaining the structure of the Arp2/3 complex. Multiple versions of the p41 subunit may adapt the functions of the complex to different cell types or developmental stages.
Product Categories/Family for anti-ARPC1A antibody	Signal Transduction
References	Laurila,E., Genes Chromosomes Cancer 48 (4), 330-339 (2009) Machesky,L.M., Biochem. J. 328 (PT 1), 105-112 (1997)

NCBI AND UNIPROT INFORMATION

NCBI GI #	22907052
NCBI GeneID	10552
NCBI Accession #	NP_006400.2
NCBI GenBank Nucleotide #	NM_006409.3

UniProt Accession #	Q92747; Q7Z5U8; Q86WU5; Q8IXQ0; A4D276; B4DLQ7; D6W5S1
Molecular Weight	41569
NCBI Official Full Name	actin-related protein 2/3 complex subunit 1A isoform 1
NCBI Official Synonym Full Names	actin related protein 2/3 complex, subunit 1A, 41kDa
NCBI Official Symbol	ARPC1A
NCBI Official Synonym Symbols	Arc40; SOP2L; HEL-68; SOP2Hs
NCBI Protein Information	actin-related protein 2/3 complex subunit 1A
UniProt Protein Name	Actin-related protein 2/3 complex subunit 1A
UniProt Gene Name	ARPC1A
UniProt Synonym Gene Names	SOP2L
UniProt Entry Name	ARC1A_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/arp1a-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/289158>