

Rabbit ARPC1A Polyclonal Antibody | anti-ARPC1A antibody

ARPC1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325996	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ARPC1A; Polyclonal Antibody; ARPC1A Antibody; Actin binding protein (Schizosaccharomyces pombe sop2 like); Actin related protein 2/3 complex subunit 1A 41kDa; Actin-related protein 2/3 complex subunit 1A; ARC1A_HUMAN; Arc40; Epididymis luminal protein 68; Epididymis secretory protein Li 307; HEL 68; HEL S 307; SOP2-like protein; SOP2Hs; SOP2L; anti-ARPC1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ARPC1A antibody detects endogenous levels of total ARPC1A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	370
Applicable Applications for anti-ARPC1A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ARPC1A
Subcellular Location	Cytoplasm > Cytoskeleton.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Rabbit, Chicken
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Rabbit (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA325996 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of HeLa whole cell lysates, using ARPC1A Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ARPC1A antibody	Description: This gene encodes 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 encoded by gene 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010] Function: Probably functions as component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks. Subunit Structure: Probable component of the Arp2/3 complex in which it may replace ARPC1B. Similarity: Belongs to the WD repeat ARPC1 family.
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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	Observed: 42 kDa Predicted: 42 kDa
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
NCBI Official Symbol	ARPC1A
NCBI Official Synonym Symbols	Arc40; SOP2L; HEL-68; SOP2Hs; HEL-S-307
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

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.