

ARPC1A Rabbit pAb

Catalog # AP98470

Product Information

Application	IHC-P, IHC-F, IF, E
Reactivity	Rat, Human
Predicted	Pig, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ARPC1A
Epitope Specificity	101-200/370
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the WD repeat ARPC1 family. Contains 6 WD repeats.
SUBUNIT	Probable component of the Arp2/3 complex in which it may replace ARPC1B.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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].

Additional Information

Gene ID	10552
Other Names	Arc40; HEL-68; HEL-S-307; SOP2Hs; SOP2L; 0610010H08Rik; 1110030K07Rik; 41kDa; Sid32; Sid329; XELAEV_18047443mg; arpc1a; arpc1a-a; wu:fk93e03; ARC1A_BOVIN; ARC1A_HUMAN; SOP2-like protein; ARC1A_MOUSE; Sid 329; ARC1A_RAT; actin related protein 2/3 complex subunit 1A; actin related protein 2/3 complex, subunit 1A (41 kD); actin related protein 2/3 complex subunit 1A, 41kDa; actin binding protein (Schizosaccharomyces pombe sop2-like)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	ARPC1A Rabbit pAb
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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.