

ARPC1B rabbit monoclonal antibody

Catalog # H00010095-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ARPC1B peptide using ARM Technology.
Immunogen	A synthetic peptide of human ARPC1B is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ARPC1B peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — ARPC1B

Entrez GeneID	10095
GeneBank Accession#	ARPC1B
Gene Name	ARPC1B
Gene Alias	ARC41, p40-ARC, p41-ARC
Gene Description	actin related protein 2/3 complex, subunit 1B, 41kDa
Omim ID	604223
Gene Ontology	Hyperlink
Gene Summary	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 ARPC1A. 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. [provided by RefSeq]
Other Designations	ARP2/3 protein complex subunit p41 actin related protein 2/3 complex subunit 1B actin related protein 2/3 complex, subunit 1A (41 kD) actin related protein 2/3 complex, subunit 1B (41 kD)

Pathway

- [Fc gamma R-mediated phagocytosis](#)
- [Regulation of actin cytoskeleton](#)