

ARPC1B Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15266**Specification**

ARPC1B Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O15143
Other Accession	NM_005720 , NP_005711
Reactivity	Human, Mouse, Rat, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Pig, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41kDa KDa

ARPC1B Antibody - C-terminal region - Additional Information**Gene ID** 10095**Alias Symbol** **ARC41, p40-ARC, p41-ARC****Other Names**

Actin-related protein 2/3 complex subunit 1B, Arp2/3 complex 41 kDa subunit, p41-ARC, ARPC1B, ARC41

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-ARPC1B antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

ARPC1B Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

ARPC1B Antibody - C-terminal region - Protein Information**Name** ARPC1B ([HGNC:704](#))**Synonyms** ARC41**Function**

Component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF) (PubMed:11741539, PubMed:9230079). The Arp2/3

complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility (PubMed:11741539, PubMed:9230079). In addition to its role in the cytoplasmic cytoskeleton, the Arp2/3 complex also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA (PubMed:29925947). The Arp2/3 complex promotes homologous recombination (HR) repair in response to DNA damage by promoting nuclear actin polymerization, leading to drive motility of double- strand breaks (DSBs) (PubMed:29925947).

Cellular Location

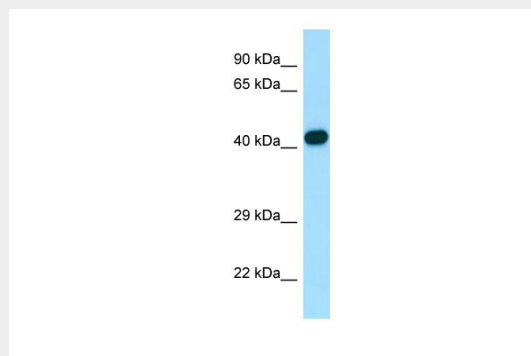
Cytoplasm, cytoskeleton. Nucleus

ARPC1B Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ARPC1B Antibody - C-terminal region - Images



WB Suggested Anti-ARPC1B Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Lung

ARPC1B Antibody - C-terminal region - References

Welch M.D.,et al.J. Cell Biol. 138:375-384(1997).
Hillier L.W.,et al.Nature 424:157-164(2003).
Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).
Gournier H.,et al.Mol. Cell 8:1041-1052(2001).
Olsen J.V.,et al.Cell 127:635-648(2006).