

**Arpc4 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10467****Specification****Arpc4 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">P59999</a>
Other Accession	<a href="#">NM_026552</a> , <a href="#">NP_080828</a>
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Goat, Horse, Yeast, Bovine, Dog
Predicted	Human, Mouse, Rat, Zebrafish, Pig, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20kDa KDa

**Arpc4 antibody - N-terminal region - Additional Information****Gene ID** 68089

**Alias Symbol** 20kDa, 5330419I20Rik, AI327076, p20-Arc  
**Other Names**  
Actin-related protein 2/3 complex subunit 4, Arp2/3 complex 20 kDa subunit, p20-ARC, Arpc4, Arc20

**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-Arpc4 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**

Arpc4 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Arpc4 antibody - N-terminal region - Protein Information****Name** Arpc4**Synonyms** Arc20**Function**

Actin-binding component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility. 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. 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).

#### **Cellular Location**

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:P59998}. Cell projection {ECO:0000250|UniProtKB:P59998}. Nucleus {ECO:0000250|UniProtKB:P59998}

#### **Arpc4 antibody - N-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](#)

