

# Arpc4 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10467

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P59999</a>
<b>Other Accession</b>	<a href="#">NM_026552</a> , <a href="#">NP_080828</a>
<b>Reactivity</b>	Human, Mouse, Rat, Zebrafish, Pig, Dog, Bovine, Yeast
<b>Predicted</b>	Human, Mouse, Rat, Zebrafish, Pig, Dog, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	19667

## Additional Information

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<b>Gene ID</b>	68089
<b>Alias Symbol</b> <b>Other Names</b>	20kDa, 5330419I20Rik, AI327076, p20-Arc Actin-related protein 2/3 complex subunit 4, Arp2/3 complex 20 kDa subunit, p20-ARC, Arpc4, Arc20
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	Arpc4 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Arpc4
<b>Synonyms</b>	Arc20
<b>Function</b>	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

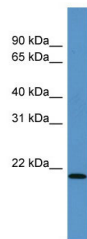
actin polymerization, leading to drive motility of double-strand breaks (DSBs).

## Cellular Location

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

## Images

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WB Suggested Anti-Arpc4 Antibody Titration: .2-1 ug/ml  
ELISA Titer: 1:125  
Positive Control: Mouse Intestine

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