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Arpc4 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10467

Product Information

Application	WB
Primary Accession	P59999
Other Accession	NM_026552, NP_080828
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Dog, Bovine, Yeast
Predicted	Human, Mouse, Rat, Zebrafish, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19667

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.

Protein Information

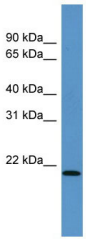
Name	Arpc4
Synonyms	Arc20
Function	Actin-binding component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force 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}

Images



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'.