



Rabbit Anti-ARPC4 antibody

SL12528R

Product Name:	ARPC4
Chinese Name:	肌动蛋白相关蛋白2/3亚型4抗体
Alias:	Actin related protein 2/3 complex subunit 4; Actin related protein 2/3 complex subunit 4 20 kD; Actin related protein 2/3 complex subunit 4 20kDa; Actin-related protein 2/3 complex subunit 4; ARC20; Arp2/3 complex 20 kDa subunit; Arp2/3 protein complex subunit p20; ARPC 4; ARPC4; ARPC4_HUMAN; MGC13544; OTTHUMP00000165252; OTTHUMP00000207520; p20 Arc; p20-ARC; p20ARC.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Cow,Rabbit,Zebrafish,Sheep,Xenopus laevis
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	20kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ARPC4/p20-ARC:1-100/168
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes one of seven subunits of the human Arp2/3 protein complex. This complex controls actin polymerization in cells and has been conserved throughout eukaryotic evolution. This gene encodes the p20 subunit, which is necessary for actin

nucleation and high-affinity binding to F-actin. Alternative splicing results in multiple transcript variants. Naturally occurring read-through transcription exists between this gene and the downstream tubulin tyrosine ligase-like family, member 3 (TTL3), which results in the production of a fusion protein. [provided by RefSeq, Nov 2010].

Function:

Functions as actin-binding component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks. Seems to contact the mother actin filament.

Subunit:

Component of the Arp2/3 complex composed of ARP2, ARP3, ARPC1B/p41-ARC, ARPC2/p34-ARC, ARPC3/p21-ARC, ARPC4/p20-ARC and ARPC5/p16-ARC.

Subcellular Location:

Cytoplasm; cytoskeleton. Cell projection.

Similarity:

Belongs to the ARPC4 family.

SWISS:

P59998

Gene ID:

10093

Database links:

[Entrez Gene: 10093](#)Human

[Entrez Gene: 68089](#)Mouse

[Entrez Gene: 539459](#)Cow

[Entrez Gene: 100155875](#)Pig

[Entrez Gene: 297518](#)Rat

[Entrez Gene: 114456](#)Zebrafish

[Omim: 604226](#)Human

[SwissProt: Q148J6](#)Cow

[SwissProt: P59998](#)Human

[SwissProt: P59999](#)Mouse

[Unigene: 323342](#)Human

[Unigene: 289306](#)Mouse

[Unigene: 472172](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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