

Rabbit Anti-ARPC2/AP Conjugated antibody

SL12527R-AP

Product Name	Anti-ARPC2/AP
Chinese Name	碱性磷酸酶 (AP) 标记的肌动蛋白相关蛋白 2/3 亚型 2 抗体 Actin related protein 2/3 complex subunit 2 34kDa; Actin related protein 2/3 complex subunit 2; Actin-related protein 2/3 complex subunit 2; ARC 34;
Alias	ARC34; Arp2/3 complex 34 kDa subunit; ARP2/3 protein complex subunit 34; ARPC 2; Arpc2; ARPC2_HUMAN; p34 Arc; p34-ARC; p34Arc; PNAS 139; PNAS139; PRO 2446; PRO2446.
Research Area	Cell biology Signal transduction Cytoskeleton
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Sheep) ELISA=1:500-5000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	34kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human ARPC2/p34-ARC
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of the protein encoded by this gene, the p34 subunit, has yet to be

determined. Two alternatively spliced variants have been characterized to date. Additional alternatively spliced variants have been described but their full length nature has not been determined. [provided by RefSeq, Jul 2008]

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 ARPC2 family.

Database links:

[Entrez Gene: 10109](#) Human

[Entrez Gene: 76709](#) Mouse

[Entrez Gene: 301511](#) Rat

[Omim: 604224](#) Human

[SwissProt: O15144](#) Human

[SwissProt: Q9CVB6](#) Mouse

[SwissProt: P85970](#) Rat

[Unigene: 529303](#) Human

[Unigene: 337038](#) Mouse

[Unigene: 93317](#) Rat

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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