SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-ARPC2/Biotin Conjugated antibody

Catalog Number: SL12527R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-ARPC2/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human ARPC2/p34-ARC
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Sheep)
Background:	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.

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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	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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