



Rabbit Anti-ARPC2 antibody

SL12527R

Product Name:	ARPC2
Chinese Name:	肌动蛋白相关蛋白2/3亚型2抗体
Alias:	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; 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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
Applications:	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	34kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ARPC2/p34-ARC:201-300/300
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. 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.

SWISS:

O15144

Gene ID:

10109

Database links:

[Entrez Gene: 10109](#)Human

[Entrez Gene: 76709](#)Mouse

[Entrez Gene: 301511](#)Rat

[Ommim: 604224](#)Human

[SwissProt: O15144](#)Human

[SwissProt: Q9CVB6](#)Mouse

[SwissProt: P85970](#)Rat

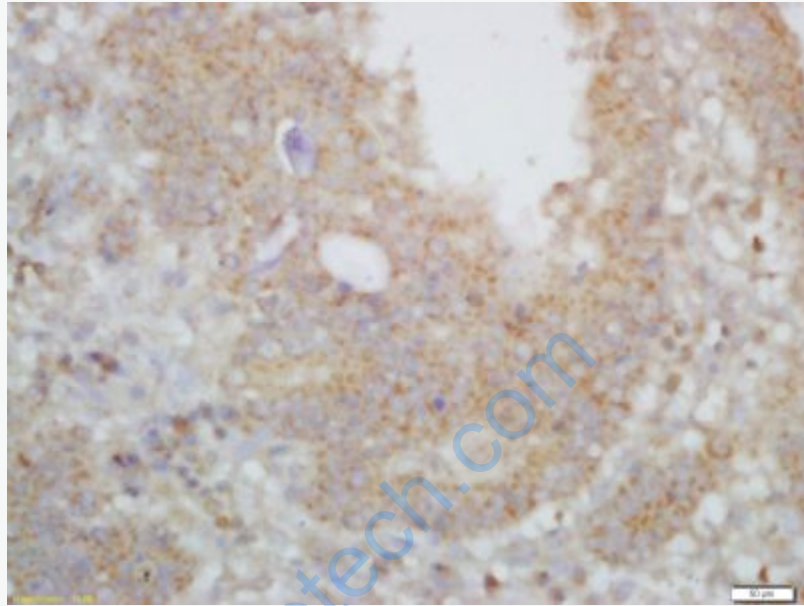
[Unigene: 529303](#)Human

[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.

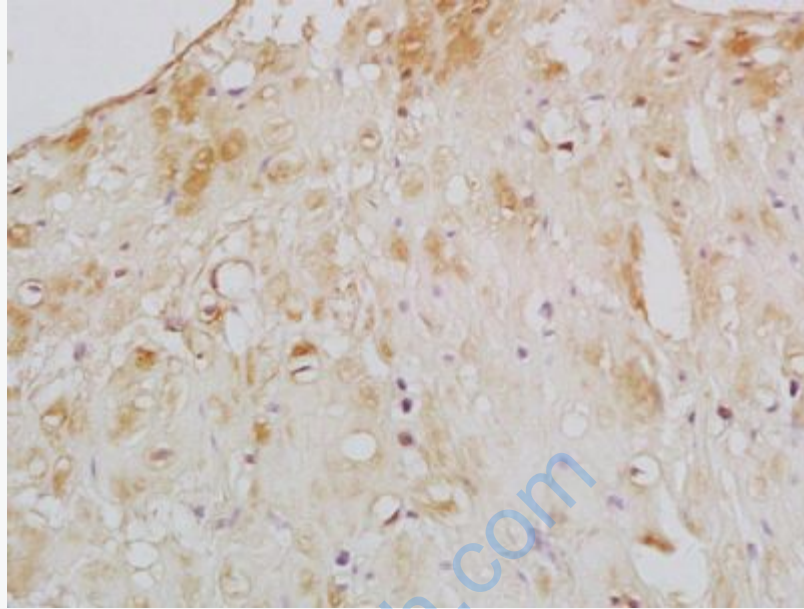


Picture:

Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-ARPC2 Polyclonal Antibody, Unconjugated(SL12527R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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