



## Rabbit Anti-p16 ARC antibody

SL11652R

<b>Product Name:</b>	p16 ARC
<b>Chinese Name:</b>	肌动蛋白相关蛋白2/3复合体亚基5抗体
<b>Alias:</b>	ARPC5; Actin related protein 2/3 complex subunit 5 (16 kD); Actin related protein 2/3 complex subunit 5; Actin related protein 2/3 complex, subunit 5 16kDa; Actin-related protein 2/3 complex subunit 5; ARC16; Arp2/3 complex 16 kDa subunit; Arp2/3 protein complex subunit p16; Actin-related protein 2/3; ARPC 5; Arpc5; ARPC5_HUMAN; p16 Arc; p16-ARC.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,Horse,Sheep,
<b>Applications:</b>	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.
<b>Molecular weight:</b>	16kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human p16 ARC:51-151/151
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 p16 subunit, has yet to be determined. Alternatively spliced transcript variants encoding different isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

**Function:**

Functions as 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.

**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 ARPC5 family.

**SWISS:**

O15511

**Gene ID:**

10092

**Database links:**

[Entrez Gene: 10092](#) Human

[Entrez Gene: 67771](#) Mouse

[Entrez Gene: 360854](#) Rat

[Omim: 604227](#) Human

[SwissProt: O15511](#) Human

[SwissProt: Q9CPW4](#) Mouse

[SwissProt: Q4KLF8](#) Rat

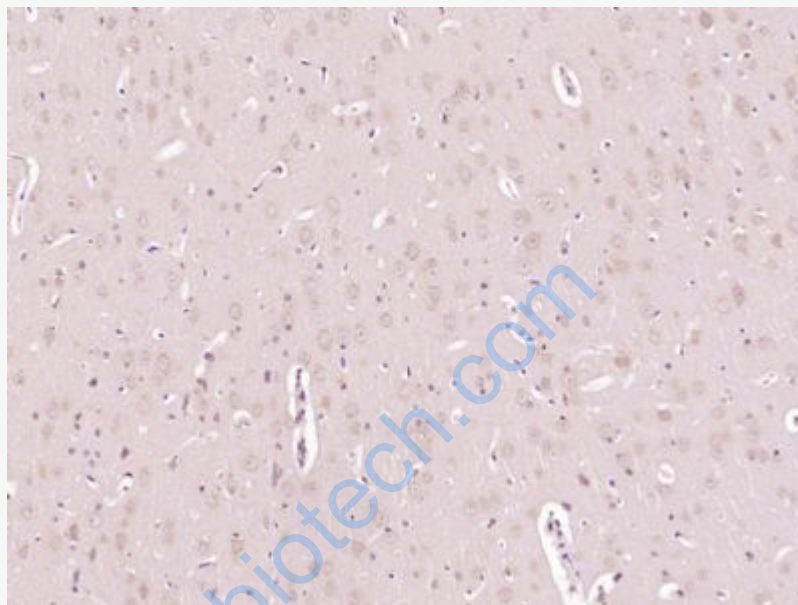
[Unigene: 518609](#) Human

[Unigene: 288974](#) Mouse

[Unigene: 1639](#) Rat

**Important Note:**

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



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p16 ARC) Polyclonal Antibody, Unconjugated (SL11652R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.