

## Rabbit Anti-ARPC1B antibody

SL10563R

**Product Name** ARPC1B

**Chinese Name** 肌动蛋白相关蛋白 2/3 复合亚单位 B1 抗体

**Alias** ARC1B\_HUMAN; Actin-related protein 2/3 complex subunit 1B; ARC41; Arp2/3 complex 41 kDa subunit; p41-ARC; actin related protein 2/3 complex subunit 1B; IMD71; PLTEID; p40-ARC;

**Research Area** Signal transduction Cytoskeleton

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted: Human, Mouse, Rat, )  
WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA

**Applications** (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 41kDa

**Cellular localization** cytoplasmic

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human ARPC1B: 101-200/372

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

**PubMed** [PubMed](#)

**Product** This gene encodes one of seven subunits of the human Arp2/3 protein complex. This subunit is a member

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**Detail**

family of proteins and is most similar to the protein encoded by gene ARPC1A. The similarity between the suggests that they both may function as p41 subunit of the human Arp2/3 complex that has been implicated in actin polymerization in cells. It is possible that the p41 subunit is involved in assembling and maintaining the Arp2/3 complex. Multiple versions of the p41 subunit may adapt the functions of the complex to different developmental stages. This protein also has a role in centrosomal homeostasis by being an activator and Aurora A kinase. [provided by RefSeq, Mar 2011]

**Function:**

Functions as component of the Arp2/3 complex which is involved in regulation of actin polymerization. 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/p31-ARC, ARPC3/p21-ARC, ARPC4/p20-ARC and ARPC5/p16-ARC.

**Subcellular Location:**

Cytoplasm, cytoskeleton.

**Similarity:**

Belongs to the WD repeat ARPC1 family.

Contains 6 WD repeats.

**SWISS:**

O15143

**Gene ID:**

10095

**Database links:**

[Entrez Gene: 10095](#) Human

[Entrez Gene: 11867](#) Mouse

[Omim: 604223](#) Human

[SwissProt: O15143](#) Human

[SwissProt: Q9WV32](#) Mouse

[Unigene: 489284](#) Human

[Unigene: 30010](#) Mouse