

## ARPC1A

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**42kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human ARPC1A

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

ARPC1A;Arc40;SOP2Hs;SOP2L ;

**Catalog #:**A1070

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**10552

**Isotype:**IgG

**Swiss Prot:**Q92747

**Purity:**Affinity purification

For research use only.

**Background:**

This gene encodes one of seven subunits of the human Arp2/3 protein complex. This subunit is a member of the SOP2 family of proteins and is most similar to the protein encoded by gene ARPC1B. The similarity between these two proteins suggests that they both may function as p41 subunit of the human Arp2/3 complex that has been implicated in the control of actin polymerization in cells. It is possible that the p41 subunit is involved in assembling and maintaining the structure of the Arp2/3 complex. Multiple versions of the p41 subunit may adapt the functions of the complex to different cell types or developmental stages. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]

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