

**p16 ARC Rabbit mAb**  
Catalog # AP77354**Specification**

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**p16 ARC Rabbit mAb - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O15511</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	16320

**p16 ARC Rabbit mAb - Additional Information**

Gene ID 10092

**Other Names**

ARPC5

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

**Format**

Liquid

**p16 ARC Rabbit mAb - Protein Information**

Name ARPC5

Synonyms ARPC16

**Function**

Component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF) (PubMed:[9230079](http://www.uniprot.org/citations/9230079)). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility (PubMed:[9230079](http://www.uniprot.org/citations/9230079)). In addition to its role in the cytoplasmic cytoskeleton, the Arp2/3 complex also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA (PubMed:[29925947](http://www.uniprot.org/citations/29925947)). The Arp2/3 complex promotes homologous recombination (HR) repair in response to DNA damage by promoting nuclear actin polymerization, leading to drive motility of double-strand breaks (DSBs) (PubMed:[29925947](http://www.uniprot.org/citations/29925947)).

**Cellular Location**

Cytoplasm, cytoskeleton. Cell projection. Nucleus

## p16 ARC Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## p16 ARC Rabbit mAb - Images

