

**p16 ARC Antibody**  
**Rabbit mAb**  
**Catalog # AP90356****Specification**

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**p16 ARC Antibody - Product Information**

Application	WB, IHC, FC, ICC, IP
Primary Accession	<a href="#">O15511</a>
Reactivity	Rat
Clonality	Monoclonal

**Other Names**

p16 Arc; ARPC5; ARC16; Arp2/3 protein complex subunit p16;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	16320 Da

**p16 ARC Antibody - Additional Information**

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human p16 ARC
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**p16 ARC Antibody - Protein Information****Name** ARPC5**Synonyms** ARC16**Function**

Component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF) (PubMed:<a href="http://www.uniprot.org/citations/9230079" target="\_blank">9230079</a>). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility (PubMed:<a href="http://www.uniprot.org/citations/9230079" target="\_blank">9230079</a>). 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:<a href="http://www.uniprot.org/citations/29925947" target="\_blank">29925947</a>).

target="\_blank">29925947</a>). 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:<a href="http://www.uniprot.org/citations/29925947" target="\_blank">29925947</a>).

#### **Cellular Location**

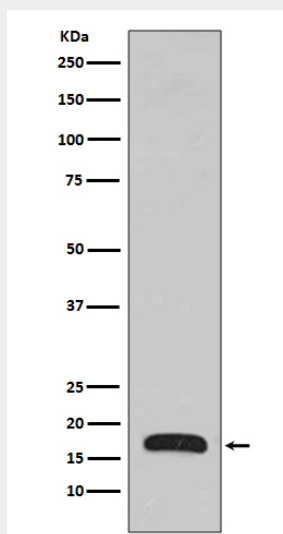
Cytoplasm, cytoskeleton. Cell projection. Nucleus

#### **p16 ARC Antibody - 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 Antibody - Images**



Western blot analysis of p16 Arc expression in Human fetal brain lysate.