

Anti-p16 ARC Antibody
Rabbit polyclonal antibody to p16 ARC
Catalog # AP61055**Specification**

Anti-p16 ARC Antibody - Product Information

Application	WB
Primary Accession	O15511
Other Accession	Q9CPW4
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16320

Anti-p16 ARC Antibody - Additional Information**Gene ID** 10092**Other Names**

ARC16; Actin-related protein 2/3 complex subunit 5; Arp2/3 complex 16 kDa subunit; p16-ARC

Target/Specificity

Recognizes endogenous levels of p16 ARC protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-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:9230079). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility (PubMed: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). 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).

Cellular Location

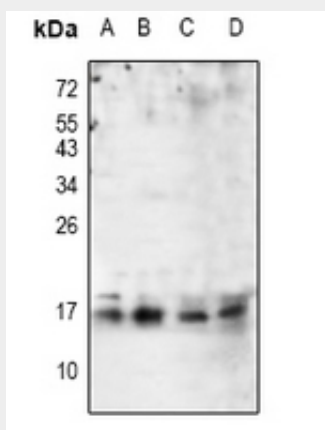
Cytoplasm, cytoskeleton. Cell projection. Nucleus

Anti-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](#)

Anti-p16 ARC Antibody - Images



Western blot analysis of p16 ARC expression in Hela (A), MCF7 (B), mouse embryo (C), rat ovary (D) whole cell lysates.

Anti-p16 ARC Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human p16 ARC. The exact sequence is proprietary.