

Anti-p16 ARC ARPC5 Rabbit Monoclonal Antibody
Catalog # ABO13888**Specification**

Anti-p16 ARC ARPC5 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	O15511
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-p16 ARC ARPC5 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-p16 ARC ARPC5 Rabbit Monoclonal Antibody - Additional Information

Gene ID 10092

Other Names

Actin-related protein 2/3 complex subunit 5, Arp2/3 complex 16 kDa subunit, p16-ARC, ARPC5, ARC16

Calculated MW

16320 MW KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:100
ICC/IF 1:50-1:100
IP 1:50
FC 1:50

Subcellular Localization

Cytoplasm, cytoskeleton. Cell projection.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human p16 ARC

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-p16 ARC ARPC5 Rabbit Monoclonal 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

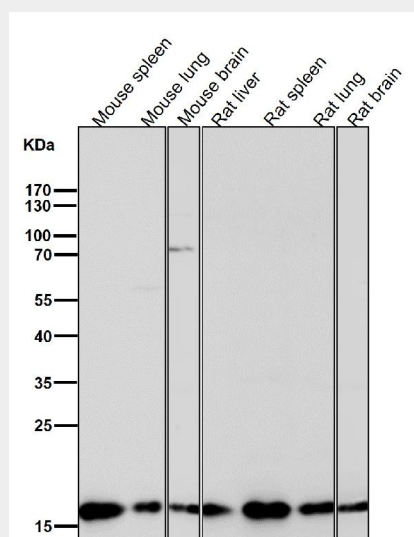
Cytoplasm, cytoskeleton. Cell projection. Nucleus

Anti-p16 ARC ARPC5 Rabbit Monoclonal Antibody - Protocols

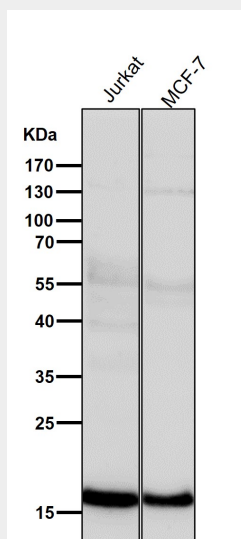
Provided below are standard protocols that you may find useful for product applications.

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

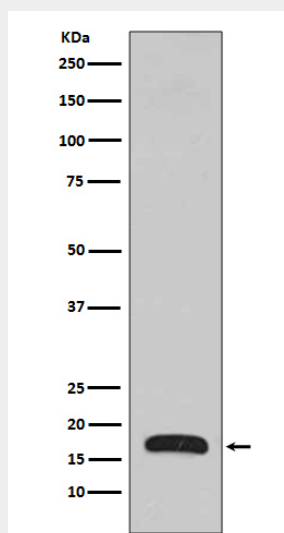
Anti-p16 ARC ARPC5 Rabbit Monoclonal Antibody - Images



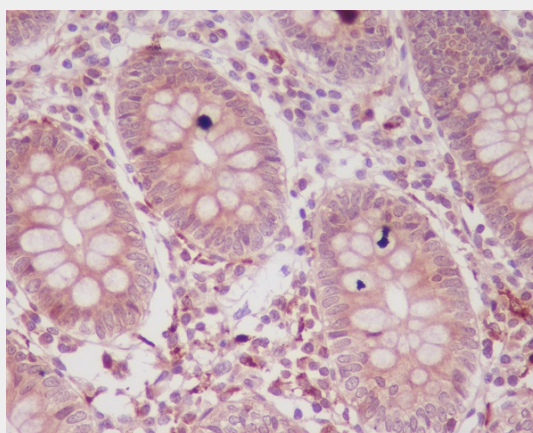
All lanes use the Antibody at 1:6K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:6K dilution for 1 hour at room temperature.



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



Immunohistochemical analysis of paraffin-embedded human colon, using p16 ARC Antibody.