10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

p16 ARC Antibody

Rabbit mAb
Catalog # AP90356

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	O15511
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	p16 Arc; ARPC5; ARC16; Arp2/3 protein complex subunit p16;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	16320

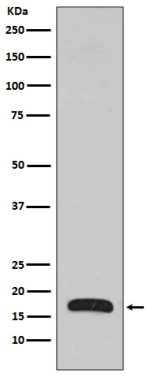
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:100 ICC/IF 1:50~1:100 IP 1:50 FC 1:50
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.

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

Images



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

Image not found : 202311/AP90356-IHC.jpg

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.