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Anti-p16 ARC ARPC5 Rabbit Monoclonal Antibody

Catalog # ABO13888

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.

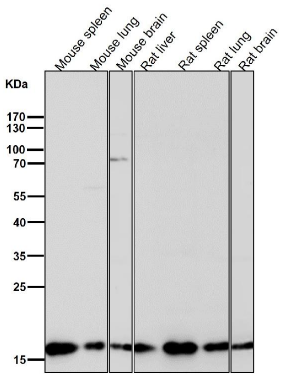
Additional Information

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
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.
Source	Eukaryota
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.
Clone Names	Clone: CCD-1
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.

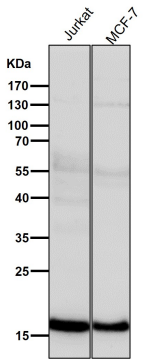
Protein Information

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

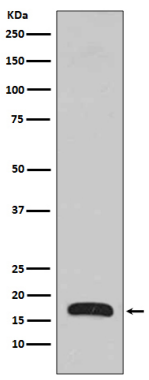
Images



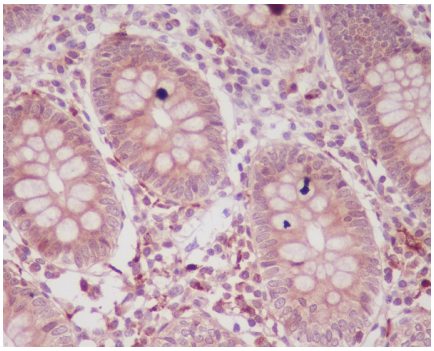
All lanes use the Antibody at 1:6K dilution for 1 hour at room temperature.



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



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'.