

Anti-ARPC5 / p16-Arc Antibody (clone 2G1)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS18287

Product Information

Application	WB, IHC-P
Primary Accession	O15511
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	2G1
Calculated MW	16320
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	10092
Alias Symbol	ARPC5
Other Names	ARPC5, ARC16, Arp2/3 complex 16 kDa subunit, DJ127C7.3, p16-Arc
Target/Specificity	Human ARPC5 / p16-Arc
Reconstitution & Storage	Protein A/G purified
Precautions	Anti-ARPC5 / p16-Arc Antibody (clone 2G1) is for research use only and not for use in diagnostic or therapeutic procedures.

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

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