

Recombinant ARPC5/p16 ARC Monoclonal Antibody

catalog number: AN301616L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

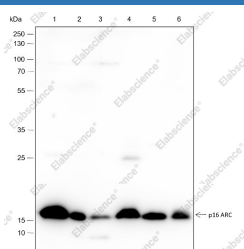
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human p16 ARC
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111239
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

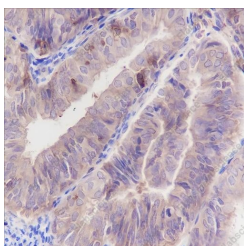
WB	1:1000-1:5000
IHC-P	1:50
ICC/IF	1:50-1:100
IP	1:20-1:100

Data

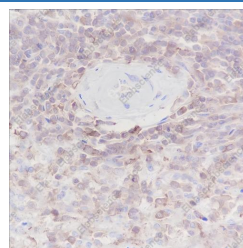


Western Blot with ARPC5/p16 ARC Monoclonal Antibody at dilution of 1:2000. Lane 1: HeLa, Lane 2: HCT-116, Lane 3: SW480, Lane 4: Rat brain, Lane 5: Mouse brain, Lane 6: Mouse ovary

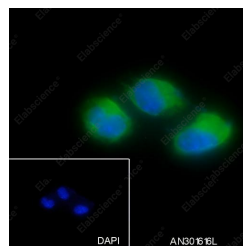
Observed-MW:16 kDa
Calculated-MW: 16 kDa



Immunohistochemistry of paraffin-embedded Human endometrial cancer using ARPC5/p16 ARC Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human spleen using ARPC5/p16 ARC Monoclonal Antibody at dilution of 1:100.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed Neuro-2a cells using anti-ARPC5/p16 ARC Monoclonal Antibody at dilution of 1:50.

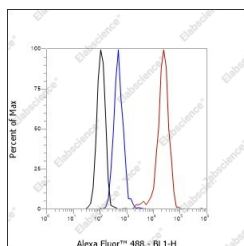
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Rev. V1.3



Flow cytometric analysis of human ARPC5/p16 ARC expression on MCF-7 cells. Cells were stained with purified anti-Human ARPC5/p16 ARC, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility. 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. 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).

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