A Reliable Research Partner in Life Science and Medicine

Recombinant ARPC5/p16 ARC Monoclonal Antibody

catalog number: AN301616L

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

Description

Reactivity Human;Rat;Mouse

Immunogen Recombinant human ARPC5/p16 ARC fragment

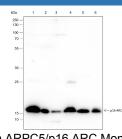
Host Rabbit Isotype lgG, κ Clone A319

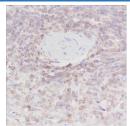
Purification Protein A purified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:100
IF	1:50
FCM	1:50

Data

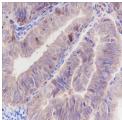


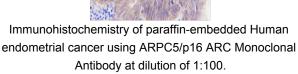


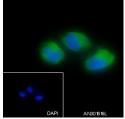
SW480, Lane 4: Rat brain, Lane 5: Mouse brain, Lane 6:

Western Blot with ARPC5/p16 ARC Monoclonal Antibody at Immunohistochemistry of paraffin-embedded Human spleen dilution of 1:2000. Lane 1: HeLa, Lane 2: HCT-116, Lane 3: using ARPC5/p16 ARC Monoclonal Antibody at dilution of 1:100.

> Mouse ovary Observed-MW:16 kDa Calculated-MW:16 kDa







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

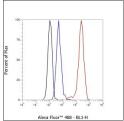
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Rev. V1.0



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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 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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