Product Datasheet

p16 ARC Rabbit mAb

Catalog No: #48673

Package Size: #48673-1 50ul #48673-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

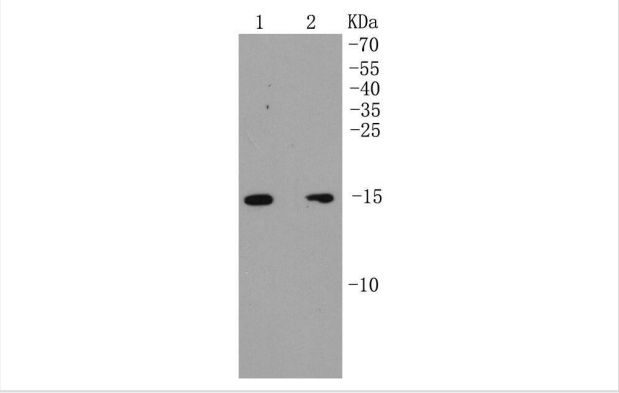
Description

Product Name	p16 ARC Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SR34-02
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Actin related protein 2/3 complex subunit 5 (16 kD) antibody Actin related protein 2/3 complex subunit 5 antibody Actin related protein 2/3 complex, subunit 5 16kDa antibody Actin-related protein 2/3 complex subunit 5 antibody ARC16 antibody Arp2/3 complex 16 kDa subunit antibody Arp2/3 protein complex subunit p16 antibody ARPC 5 antibody Arpc5 antibody ARPC5_HUMAN antibody dJ127C7.3 antibody MGC88523 antibody p16 Arc antibody p16-ARC antibody RP1 127C7.3 antibody
Accession No.	Swiss-Prot#:O15511
Uniprot	O15511
GeneID	10092;
Calculated MW	16 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

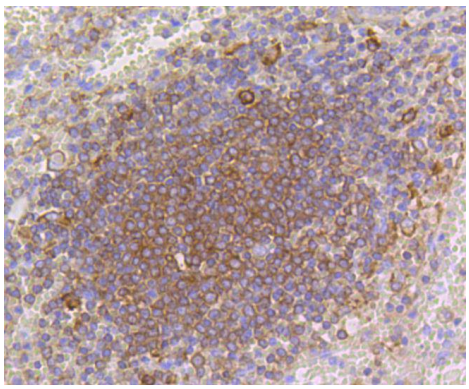
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50FC: 1:50-1:100

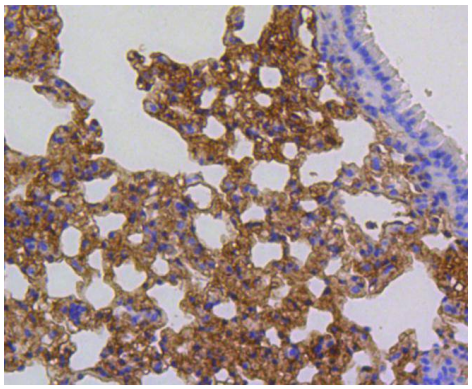
Images



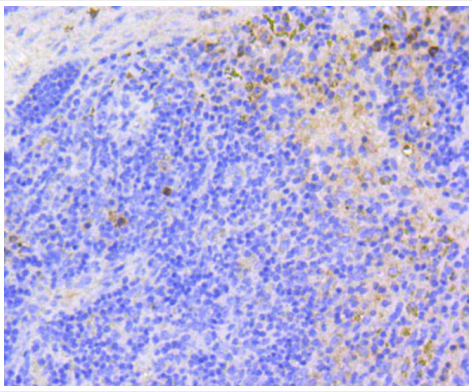
Western blot analysis of p16 ARC on different cell lysates using anti-p16 ARC antibody at 1/1,000 dilution. Positive control:
Lane 1: MCF-7
Lane 2: SK-BR-3



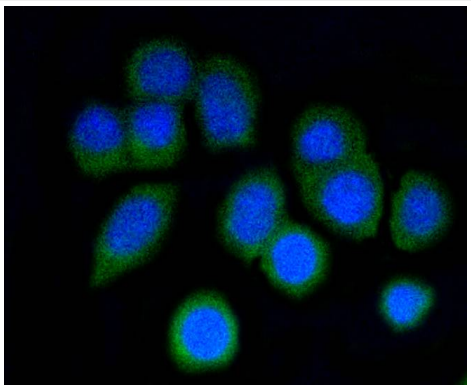
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-p16 ARC antibody. Counter stained with hematoxylin.



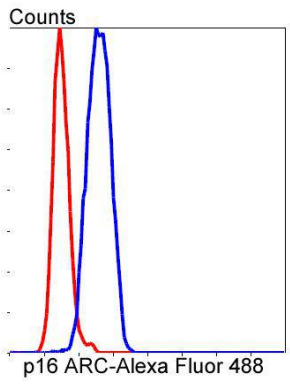
Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-p16 ARC antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-p16 ARC antibody. Counter stained with hematoxylin.



ICC staining p16 ARC in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of SH-SY-5Y cells with p16 ARC antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as secondary antibody.

Background

The Arp2/3 (Actin-related protein 2/3) complex consists of seven subunits, all of which are actin-related proteins. The complex is involved in the control of actin polymerization and in mediating the formation of branched actin networks. p16-ARC, also known as ARPC5 (Actin-related protein 2/3 complex subunit 5) or ARC16 (Arp2/3 complex 16 kDa subunit), is a 151 amino acid subunit of the Arp2/3 complex. Thought to play a role in maintaining the integrity of Arp2/3, p16-ARC is a substrate for MAPKAPK-2 which, through phosphorylation of p16-ARC, may participate in Arp2/3 regulatory functions and remodeling of the Actin cytoskeleton. Two isoforms of p16-ARC exist due to alternative splicing events.

References

Note: This product is for in vitro research use only