ARG41366
anti-ARPC5 / p16 ARC antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ARPC5 / p16 ARC
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ARPC5 / p16 ARC
Species	Human
Immunogen	Synthetic peptide derived from Human ARPC5 / p16 ARC.
Conjugation	Un-conjugated
Alternate Names	p16-Arc; p16-ARC; Actin-related protein 2/3 complex subunit 5; ARC16; Arp2/3 complex 16 kDa subunit; dJ127C7.3

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:100
IHC-P	1:50 - 1:100
IP	1:50
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 17 kDa

Properties

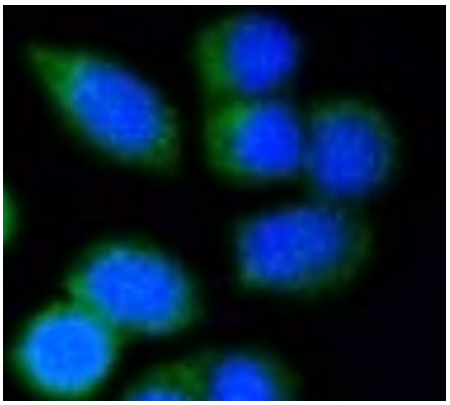
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

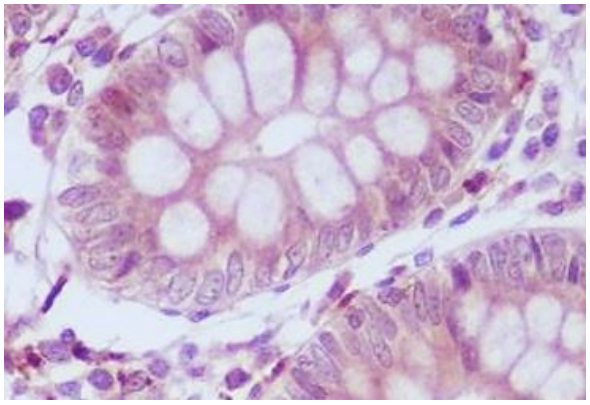
Gene Symbol	ARPC5
Gene Full Name	actin related protein 2/3 complex, subunit 5, 16kDa
Background	This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of the protein encoded by this gene, the p16 subunit, has yet to be determined. Alternatively spliced transcript variants encoding different isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]
Function	Functions as component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks. [UniProt]
Calculated Mw	16 kDa
PTM	Polyubiquitinated by RNF128 with 'Lys-63'-linked chains, leading to proteasomal degradation. [UniProt]
Cellular Localization	Cytoplasm, cytoskeleton. Cell projection. [UniProt]

Images



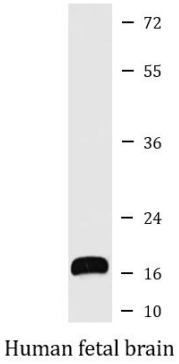
ARG41366 anti-ARPC5 / p16 ARC antibody ICC/IF image

Immunofluorescence: Neuro-2a cells stained with ARG41366 anti-ARPC5 / p16 ARC antibody (green). DAPI (blue) for nuclear staining.



ARG41366 anti-ARPC5 / p16 ARC antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon tissue stained with ARG41366 anti-ARPC5 / p16 ARC antibody.



ARG41366 anti-ARPC5 / p16 ARC antibody WB image

Western blot: Human fetal brain lysate stained with ARG41366 anti-ARPC5 / p16 ARC antibody.