ARG63465
anti-ARPC2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ARPC2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	ICC/IF, IHC-P, WB
Specificity	The reported variants NP_005722.1 and NP_690601.1 represent identical protein.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ARPC2
Species	Human
Immunogen	C-EMKTITGKTFSSR
Conjugation	Un-conjugated
Alternate Names	Arp2/3 complex 34 kDa subunit; PNAS-139; p34-ARC; Actin-related protein 2/3 complex subunit 2; ARC34; p34-Arc; PRO2446

Application Instructions

Application table

Application	Dilution
ICC/IF	10 µg/ml
IHC-P	3 - 5 µg/ml
WB	0.1 - 0.5 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

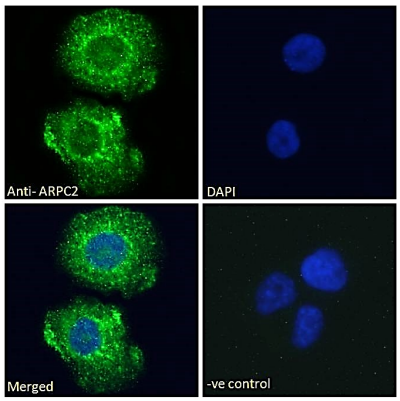
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

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 or below. 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

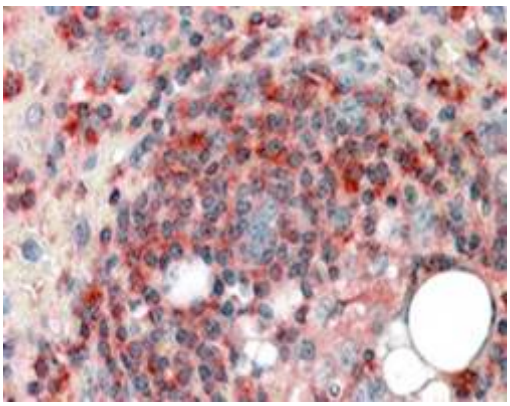
Database links	GeneID: 10109 Human Swiss-port # O15144 Human
Background	This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of the protein encoded by this gene, the p34 subunit, has yet to be determined. Two alternatively spliced variants have been characterized to date. Additional alternatively spliced variants have been described but their full length nature has not been determined. [provided by RefSeq, Jul 2008]
Research Area	Signaling Transduction antibody
Calculated Mw	34 kDa

Images



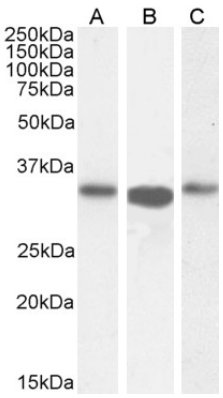
ARG63465 anti-ARPC2 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed A431 cells permeabilized with 0.15% Triton. Cells were stained with ARG63465 anti-ARPC2 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



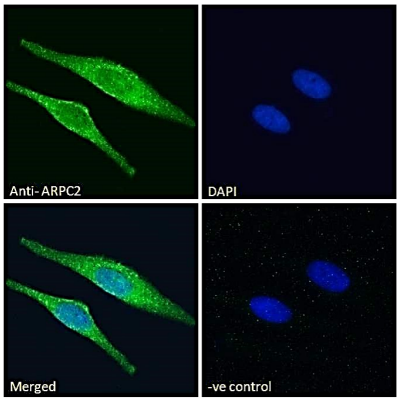
ARG63465 anti-ARPC2 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Spleen. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63465 anti-ARPC2 antibody at 3.8 µg/ml dilution followed by AP-staining.



ARG63465 anti-ARPC2 antibody WB image

Western blot: 35 µg of Caco-2 (A), HeLa (B) and Jurkat (C) cell lysates (in RIPA buffer) stained with ARG63465 anti-ARPC2 antibody at 0.5 µg/ml (A) and 0.1 µg/ml (B, C) dilutions and incubated at RT for 1 hour.



ARG63465 anti-ARPC2 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG63465 anti-ARPC2 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.