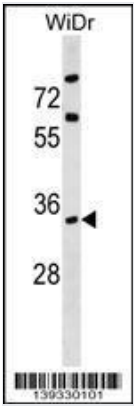
ARPC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARPC2, Polyclonal Antibody
Full Product Name	ARPC2, CT (ARPC2, ARC34, Actin-related protein 2/3 complex subunit 2, Arp2/3 complex 34kD subunit)
Product Gene Name	anti-ARPC2 antibody
Product Synonym Names	Anti -ARPC2, CT (ARPC2, ARC34, Actin-related protein 2/3 complex subunit 2, Arp2/3 complex 34kD subunit)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	34,333 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (219081817..219119071). Location: 2q36.1
OMIM	604224
3D Structure	ModBase 3D Structure for O15144
Immunogen	ARPC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 263-291 amino acids from the C-terminal region of human ARPC2.
Product Categories/Family for anti-ARPC2 antibody	Antibodies; Abs to Actin Related Proteins
Applications Tested/Suitable for anti-ARPC2 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-ARPC2 antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-ARPC2 antibody	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].
Other Notes	Small volumes of anti-ARPC2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ARPC2 purchase	MBS6002320 is an antibody targeting ARPC2. Also known as ARPC2, CT (ARPC2, ARC34, Actin-related protein 2/3 complex subunit 2, Arp2/3 complex 34kD subunit). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ARPC2 antibody
ARPC2 Antibody (C-term) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the ARPC2 antibody detected the ARPC2 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARPC2. It may not necessarily be applicable to this product.

NCBI GI #	23238211
NCBI GeneID	10109
NCBI Accession #	NP_690601.1
UniProt Primary Accession #	O15144
UniProt Secondary Accession #	Q92801; Q9P1D4
UniProt Related Accession #	O15144
GenBank Nucleotide #	NM_152862.2
NCBI Official Full Name	actin-related protein 2/3 complex subunit 2
NCBI Official Synonym Full Names	actin related protein 2/3 complex, subunit 2, 34kDa
NCBI Official Symbol	ARPC2
NCBI Official Synonym Symbols	ARC34; PRO2446; p34-Arc; PNAS-139
UniProt Protein Name	Actin-related protein 2/3 complex subunit 2
UniProt Synonym Protein Names	Arp2/3 complex 34 kDa subunit
UniProt Gene Name	ARPC2
UniProt Synonym Gene Names	ARC34; p34-ARC
UniProt Entry Name	ARPC2_HUMAN
NCBI Protein Information	actin-related protein 2/3 complex subunit 2; arp2/3 complex 34 kDa subunit; ARP2/3 protein complex subunit 34
NCBI Summary for ARPC2	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]

UniProt Comments for ARPC2	ARPC2: Functions as actin-binding 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. Seems to contact the mother actin filament. Belongs to the ARPC2 family. Protein type: Cytoskeletal; Actin-binding; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 2q36.1 Cellular Component: Golgi apparatus; neuron projection; Arp2/3 protein complex; focal adhesion; leading edge; cytoplasm; plasma membrane; synapse; cytosol; endosome; actin cytoskeleton Molecular Function: actin filament binding; protein binding; structural constituent of cytoskeleton; kinesin binding Biological Process: axon guidance; ephrin receptor signaling pathway; innate immune response; cell motility
Research Articles on ARPC2	**1.** The Arp2/3 complex is recruited to invading Rickettsia parkeri and is required for efficient invasion.
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