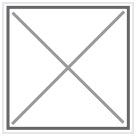
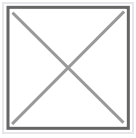
ARPC2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

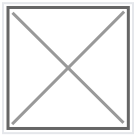
Product Name	ARPC2, Monoclonal Antibody
Full Product Name	ARPC2 (Actin Related Protein 2/3 Complex Subunit 2 34kD, ARC34, PRO2446, p34-Arc, PNAS-139, ARP2/3 Protein Compex Subunit 34) (AP)
Product Gene Name	anti-ARPC2 antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	5C8
Host	Mouse
Species Reactivity	Human, Mouse, Rat
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ARPC2. Species Crossreactivity: mouse and rat.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri
Immunogen	Full length recombinant protein corresponding to aa1-300 from ARPC2 (AAH00590) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MILLEVNNRIIEETLALKFENAAAGNKPEAVEVTFADFDGVLYHISNPNGDKTKVMVSISLKFYKELQAHGADELLKRVYGSFLVNPESGYNVSLLYDLENLF
Conjugate	AP
Product Categories/Family for anti-ARPC2 antibody	Antibodies; Actin Related Proteins
Applications Tested/Suitable for anti-ARPC2 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-ARPC2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ARPC2 antibody	The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact rol
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 neces
Searchable Terms for ARPC2 purchase	MBS6130072 is an antibody targeting ARPC2. Also known as ARPC2 (Actin Related Protein 2/3 Complex Subunit 2 34kD, ARC34, PRO2446, p34-Arc



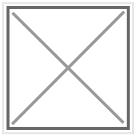
Western Blot (WB) of anti-ARPC2 antibody
Western Blot detection against Immunogen (59.11kD).



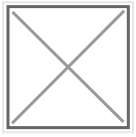
Western Blot (WB) of anti-ARPC2 antibody
ARPC2 monoclonal antibody Western Blot analysis of ARPC2 expression in HeLa



Western Blot (WB) of anti-ARPC2 antibody
ARPC2 monoclonal antibody Western Blot analysis of ARPC2 expression in PC-12



Western Blot (WB) of anti-ARPC2 antibody
ARPC2 monoclonal antibody Western Blot analysis of ARPC2 expression in Raw 264.7



Western Blot (WB) of anti-ARPC2 antibody
ARPC2 monoclonal antibody Western Blot analysis of ARPC2 expression in NIH/3T3.

ADDITIONAL DETAILS

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

NCBI GI #	34783049
NCBI GeneID	10109
NCBI Accession #	BC000590
UniProt Related Accession #	O15144
NCBI Official Full Name	Homo sapiens actin related protein 2/3 complex, subunit 2, 34kDa, mRNA
NCBI Official Synonym Full Names	actin related protein 2/3 complex subunit 2
NCBI Official Symbol	ARPC2
NCBI Official Synonym Symbols	ARC34; PRO2446; p34-Arc; PNAS-139
NCBI Protein Information	actin-related protein 2/3 complex subunit 2
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]
Research Articles on ARPC2	**1.** Results find that ARPC2 expression is upregulated in breast cancer tissues and cell lines. ARPC2 promotes the proliferation and metastasis of human breast cancer cells. ARPC2 is regulated by RBM2 in a posttranscriptional 3'UTRbinding manner. Also, ARPC2 plays an oncogenic role and mediates the promoting role of RBM3 in the proliferation and metastasis of human breast cancer cells.
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