ARPC4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARPC4, Polyclonal Antibody
Full Product Name	ARPC4 Antibody, Biotin conjugated
Product Gene Name	anti-ARPC4 antibody
Product Synonym Names	Actin-related protein 2/3 complex subunit 4; Arp2/3 complex 20 kDa subunit; p20-ARC; ARPC4; ARC20
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: ARPC4 (MBS7106429) Biotin Conjugated Antibody: ARPC4 (MBS7106432)
Molecular Weight	9,552 Da
OMIM	AF019888 mRNA
3D Structure	ModBase 3D Structure for P59998
Immunogen	Recombinant Human Actin-related protein 2/3 complex subunit 4 protein (2-168AA)
Conjugation	Biotin
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-ARPC4 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ARPC4 antibody	ELISA (EIA)
Related Product Information for anti-ARPC4 antibody	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.
Other Notes	Small volumes of anti-ARPC4 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 ARPC4 purchase	MBS7106432 is an antibody targeting ARPC4. Also known as ARPC4 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARPC4. It may not necessarily be applicable to this product.

NCBI GI #	68161509
NCBI GeneID	10093
NCBI Accession #	NP_001020130.1
UniProt Primary Accession #	P59998
UniProt Secondary Accession #	O15509; Q6P0W5; Q96QJ3; C9JWM7; E7ETI0; F6TTL5
UniProt Related Accession #	P59998
GenBank Nucleotide #	NM_001024959.2
NCBI Official Full Name	actin-related protein 2/3 complex subunit 4 isoform b
NCBI Official Synonym Full Names	actin related protein 2/3 complex subunit 4
NCBI Official Symbol	ARPC4
NCBI Official Synonym Symbols	ARC20; P20-ARC
UniProt Protein Name	Actin-related protein 2/3 complex subunit 4
UniProt Synonym Protein Names	Arp2/3 complex 20 kDa subunit; p20-ARC
Protein Family	Actin-related protein 2/3 complex
UniProt Gene Name	ARPC4
UniProt Synonym Gene Names	ARC20; p20-ARC
NCBI Protein Information	actin-related protein 2/3 complex subunit 4
NCBI Summary for ARPC4	This gene encodes one of seven subunits of the human Arp2/3 protein complex. This complex controls actin polymerization in cells and has been conserved throughout eukaryotic evolution. This gene encodes the p20 subunit, which is necessary for actin nucleation and high-affinity binding to F-actin. Alternative splicing results in multiple transcript variants. Naturally occurring read-through transcription exists between this gene and the downstream tubulin tyrosine ligase-like family, member 3 (TTLL3), which results in the production of a fusion protein. [provided by RefSeq, Nov 2010]
Research Articles on ARPC4	**1.** Expression of the ARPC4 severely affects mycobacterium tuberculosis growth and suppresses immunogenic response in murine macrophages
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