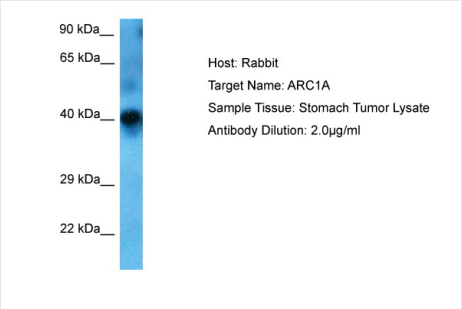
ARPC1A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARPC1A, Polyclonal Antibody
Full Product Name	ARPC1A Antibody - N-terminal region
Product Gene Name	anti-ARPC1A antibody
Product Synonym Gene Name	Arc40; SOP2L; HEL-68; SOP2Hs
Immunogen Sequence	Synthetic peptide located within the following region: PITCHAWNRD RTQIALSPNN HEVHIYKKNG SQWVKAHELK EHNGHITGID
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	ARPC1A peptide (MBS3245342) is used for blocking the activity of ARPC1A antibody (MBS3220540)
Molecular Weight	42 kDa
OMIM	604220
3D Structure	ModBase 3D Structure for Q92747
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ARPC1A
Product Categories/Family for anti-ARPC1A antibody	Polyclonal
Applications Tested/Suitable for anti-ARPC1A antibody	Western Blot (WB)
Related Product Information for anti-ARPC1A antibody	This gene encodes one of seven subunits of the human Arp2/3 protein complex. This subunit is a member of the SOP2 family of proteins and is most similar to the protein encoded by gene ARPC1B. The similarity between these two proteins suggests that they both may function as p41 subunit of the human Arp2/3 complex that has been implicated in the control of actin polymerization in cells. It is possible that the p41 subunit is involved in assembling and maintaining the structure of the Arp2/3 complex. Multiple versions of the p41 subunit may adapt the functions of the complex to different cell types or developmental stages. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-ARPC1A 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 ARPC1A purchase	MBS3220540 is an antibody targeting ARPC1A. Also known as ARPC1A Antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ARPC1A antibody
Host: RabbitTarget Name: ARPC1ASample Tissue: Human Stomach TumorAntibody Dilution: 1.0ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARPC1A. It may not necessarily be applicable to this product.

NCBI GI #	22907052
NCBI GeneID	10552
NCBI Accession #	NP_006400.2
UniProt Primary Accession #	Q92747
UniProt Related Accession #	Q92747
GenBank Nucleotide #	NM_006409.3
NCBI Official Full Name	actin-related protein 2/3 complex subunit 1A isoform 1
NCBI Official Synonym Full Names	actin related protein 2/3 complex subunit 1A
NCBI Official Symbol	ARPC1A
NCBI Official Synonym Symbols	Arc40; SOP2L; HEL-68; SOP2Hs; HEL-S-307
UniProt Protein Name	Actin-related protein 2/3 complex subunit 1A
UniProt Synonym Protein Names	SOP2-like protein
Protein Family	Actin-related protein 2/3 complex
UniProt Gene Name	ARPC1A
UniProt Synonym Gene Names	SOP2L
UniProt Entry Name	ARC1A_HUMAN
NCBI Protein Information	actin-related protein 2/3 complex subunit 1A
UniProt Comments for ARPC1A	ARPC1A: Probably 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. Belongs to the WD repeat ARPC1 family. Protein type: Cytoskeletal; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 7q22.1 Cellular Component: Arp2/3 protein complex; cytosol; actin cytoskeleton Molecular Function: actin filament binding; actin binding Biological Process: axon guidance; ephrin receptor signaling pathway; innate immune response; actin cytoskeleton organization and biogenesis

Research Articles on ARPC1A	**1.** Genome-wide association study of gene-disease association. (HuGE Navigator)
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