10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ARPC1A Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP6519c

Specification

ARPC1A Antibody (Center) Blocking Peptide - Product Information

Primary Accession	Q92747

ARPC1A Antibody (Center) Blocking Peptide - Additional Information

Gene ID 10552

Other Names
Actin-related protein 2/3 complex subunit 1A, SOP2-like protein, ARPC1A, SOP2L

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6519c was selected from the Center region of human ARPC1A. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ARPC1A Antibody (Center) Blocking Peptide - Protein Information

Name ARPC1A

Synonyms SOP2L

Function
Probably functions as a 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.

Cellular Location
Cytoplasm, cytoskeleton. Nucleus {ECO:0000250|UniProtKB:Q8AVT9}

ARPC1A Antibody (Center) Blocking Peptide - Protocols

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

ARPC1A Antibody (Center) Blocking Peptide - Images

ARPC1A Antibody (Center) Blocking Peptide - Background

ARPC1A is 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 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.

ARPC1A Antibody (Center) Blocking Peptide - References

Laurila,E., Genes Chromosomes Cancer 48 (4), 330-339 (2009)Machesky,L.M., Biochem. J. 328 (PT 1), 105-112 (1997)