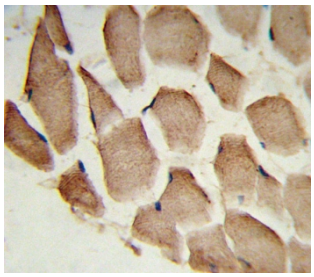
ARPC1A Antibody (F54854)

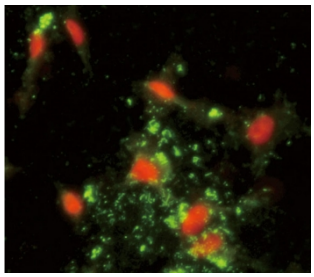
Catalog No.	Formulation	Size
F54854-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54854-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

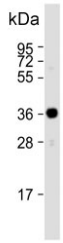
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q92747
Localization	Cytoplasmic, nuclear
Applications	Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunofluorescence : 1:10-1:50 Immunohistochemistry (FFPE) : 1:10-1:50 Western Blot : 1:500-1:1000
Limitations	This ARPC1A antibody is available for research use only.



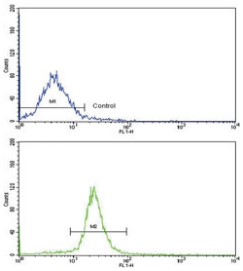
IHC testing of FFPE human skeletal muscle tissue with ARPC1A antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HeLa cells with ARPC1A antibody (green) and PI (red).



Western blot testing of human HeLa cell lysate with ARPC1A antibody. Predicted molecular weight ~42 kDa.



Flow cytometry testing of human WiDr cells with ARPC1A antibody; Blue=isotype control, Green= ARPC1A antibody.

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the ARPC1A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 286-315 from the human protein was used as the immunogen for the ARPC1A antibody.

Storage

Aliquot the ARPC1A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.