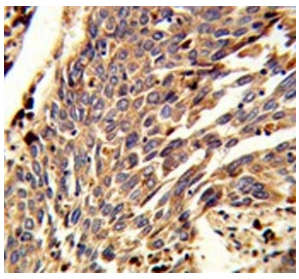
ARPC1B Antibody / Actin-related protein 2/3 complex subunit 1B (F54999)

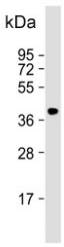
Catalog No.	Formulation	Size
F54999-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54999-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

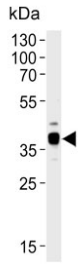
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	O15143
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 1:500-1:1000 Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:50-1:100
Limitations	This ARPC1B antibody is available for research use only.



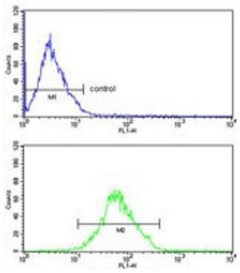
IHC testing of FFPE human lung carcinoma tissue with ARPC1B antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human HeLa cell lysate with ARPC1B antibody. Predicted molecular weight ~41 kDa.



Western blot testing of human A431 cell lysate with ARPC1B antibody. Predicted molecular weight ~41 kDa.



Flow cytometry testing of human MCF7 cells with ARPC1B antibody; Blue=isotype control, Green= ARPC1B antibody.

Description

ARPC1B 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 encoded by gene ARPC1A. 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the ARPC1B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 159-188 from the human protein was used as the immunogen for the ARPC1B antibody.

Storage

Aliquot the ARPC1B antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.