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

ARPC1B Recombinant Mouse mAb

Catalog # AP96393

Product Information

Application	WB
Predicted	Human
Host	Mouse
Clonality	Recombinant
Calculated MW	41 KDa
Physical State	Liquid
Isotype	IgG1
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the WD repeat ARPC1 family. Contains 6 WD repeats.
SUBUNIT	Component of the Arp2/3 complex composed of ARP2, ARP3, ARPC1B/p41-ARC, ARPC2/p34-ARC, ARPC3/p21-ARC, ARPC4/p20-ARC and ARPC5/p16-ARC.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 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. Multiple versions of the p41 subunit may adapt the functions of the complex to different cell types or developmental stages. This protein also has a role in centrosomal homeostasis by being an activator and substrate of the Aurora A kinase. [provided by RefSeq, Mar 2011]

Additional Information

Other Names	ARC41; IMD71; PLTEID; p40-ARC; p41-ARC; 41kDa; L72; SOP2Hs; ARC1B_HUMAN; ARPC1B; Arp2/3 complex 41 kDa subunit; ARC1B_MOUSE; actin related protein 2/3 complex subunit 1B; actin related protein 2/3 complex, subunit 1B (41 kD); actin related protein 2/3 complex subunit 1B, 41kDa; ARP2/3 protein complex subunit p41; actin related protein 2/3 complex, subunit 1A (41 kD)
Dilution	WB=1:500-1000,ICC/IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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Function	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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.