SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Mouse Anti-ARPC1B antibody

SLM-60520M

Product Name	ARPC1B
Chinese Name	肌动蛋白相关蛋白 2/3 复合亚单位 B1 抗体
Alias	ARC1B_HUMAN; Actin-related protein 2/3 complex subunit 1B; ARC41; Arp2/3 complex 41 kDa subunit; p41-ARC; actin related protein 2/3 complex subunit 1B; IMD71; PLTEID; p40-ARC;
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	G11E8
React Species	(predicted: Human,)
Applications	WB=1:500-1000,ICC/IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	41kDa
Cellular localization	The nucleus The cell membrane
Form	Liquid
Concentration	1mg/ml
Lsotype	IgG1
Purification	Affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	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]

SWISS:
O15143

Gene ID:
10095

Arp2/3 复合物的组分，一种多蛋白复合物，在成核促进因子（NPF）刺激下介导肌动蛋白聚合。Arp2/3 复合物介导细胞质中分支肌动蛋白网络的形成，为细胞运动提供动力。除了在细胞质骨架中的作用外，Arp2/3 复合物还促进 The nucleus 中肌动蛋白的聚合，从而调节基因转录和受损 DNA 的修复。Arp2/3 复合物通过促进核肌动蛋白聚合促进同源重组（HR）修复，从而导致双链断裂（dsb）的运动。