

For Research Use Only

ARPC1A Polyclonal antibody

Catalog Number: 17538-1-AP



Basic Information

Catalog Number: 17538-1-AP	GenBank Accession Number: BC039594	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 10552	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	Full Name: actin related protein 2/3 complex, subunit 1A, 41kDa	
Isotype: IgG	Calculated MW: 370 aa, 42 kDa	
Immunogen Catalog Number: AG11593	Observed MW: 37-42 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, PC-3 cells
Species Specificity: human	

Background Information

ARPC1A, also known as SOP2L, belongs to the WD repeat ARPC1 family. ARPC1A is most similar to ARPC1B, and 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 (PMID: 9230079). ARPC1A 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 (PMID: 8978670). Western blot analysis detected ARPC1A at an apparent molecular mass of 37-42 kDa.

Storage

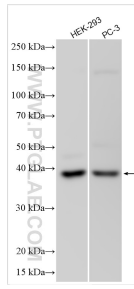
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17538-1-AP (ARPC1A antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.