

For Research Use Only

POLDIP2 Polyclonal antibody

Catalog Number: 15080-1-AP **3 Publications**



Basic Information

Catalog Number: 15080-1-AP	GenBank Accession Number: BC000655	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 273 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 26073	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: polymerase (DNA-directed), delta interacting protein 2	IF 1:10-1:100
Isotype: IgG	Calculated MW: 42 kDa	
Immunogen Catalog Number: AG7154	Observed MW: 38 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, Jurkat cells, K-562 cells
Cited Applications: IF, WB	IP : HeLa cells,
Species Specificity: human, mouse, rat	IF : HeLa cells,
Cited Species: human, mouse	

Background Information

POLDIP2(Polymerase delta-interacting protein 2) is also named as PDIP38, POLD4. It is as a unique positive regulator of Nox4 via its association with p22phox and together with Nox4, has profound effects on Rhoddependent cytoskeletal remodeling. It is also as a regulator of cell division. It consists of 368 amino acids and has a predicted molecular mass of 42 kDa, with a potential signal peptide cleavage site after the first N-terminal 48 residues, which would result in a protein of 37 kDa(PMID:19574552). Endogenous human and rat POLDIP2 localized to the nucleus, plasma membrane, and cytoplasm(PMID:17623671).

Notable Publications

Author	Pubmed ID	Journal	Application
Agnes Wong	23989611	Cell Cycle	IF
Jana Key	34943861	Cells	WB
Maga Giovanni G	24191025	Proc Natl Acad Sci U S A	WB

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

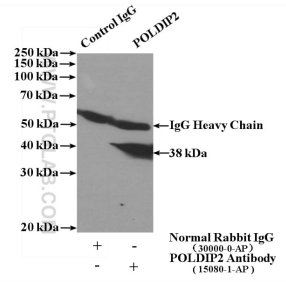
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 15080-1-AP (POLDIP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells, using POLDIP2 antibody 15080-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-POLDIP2 (IP:15080-1-AP, 4ug; Detection:15080-1-AP 1:1000) with HeLa cells lysate 1600ug.