

For Research Use Only

POLDIP2 Polyclonal antibody

Catalog Number: 15080-1-AP

3 Publications



Basic Information

Catalog Number:

15080-1-AP

Size:

273 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7154

GenBank Accession Number:

BC000655

GeneID (NCBI):

26073

UNIPROT ID:

Q9Y257

Full Name:

polymerase (DNA-directed), delta interacting protein 2

Calculated MW:

42 kDa

Observed MW:

38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HepG2 cells, Jurkat cells, K-562 cells

IP : HeLa cells,

IHC : human stomach cancer tissue,

IF/ICC : Hela cells,

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

For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.com

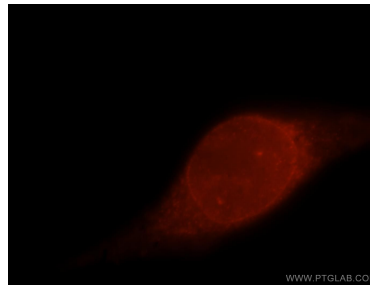
W: ptgcn.com

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

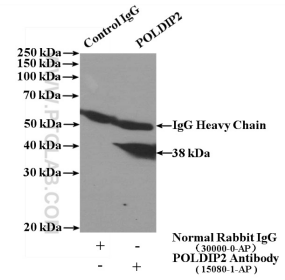
Selected Validation Data



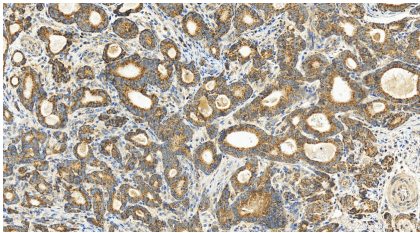
HeLa cells were subjected to SDS PAGE followed by western blot with 15080-1-AP (POLDIP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



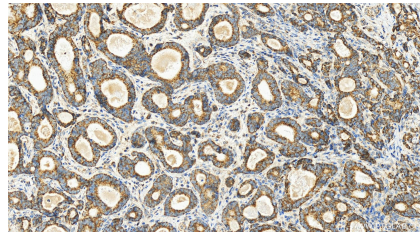
Immunofluorescent analysis of HeLa cells, using POLDIP2 antibody 15080-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



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



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 15080-1-AP (POLDIP2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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