

For Research Use Only

POLDIP2 Polyclonal antibody

Catalog Number: 15080-1-AP

3 Publications



Basic Information

Catalog Number:

15080-1-AP

Size:

150ul, Concentration: 273 ug/ml by Nanodrop and 273 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7154

GenBank Accession Number:

BC000655

GeneID (NCBI):

26073

UNIPROT ID:

Q9Y2S7

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

*** 20ul sizes contain 0.1% BSA

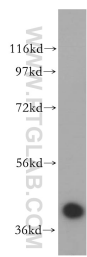
For technical support and original validation data for this product please contact:

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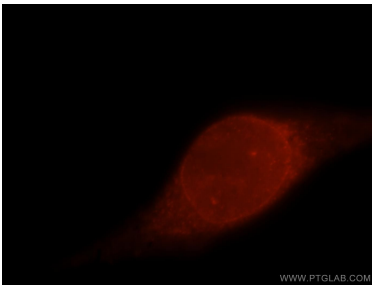
E: proteintech@ptglab.com
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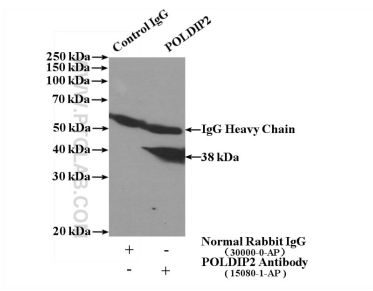
Selected Validation Data



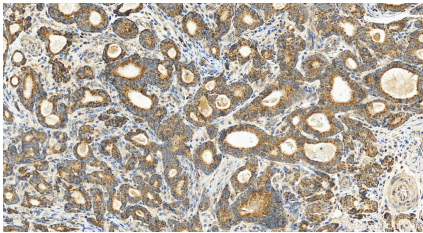
HeLa cells were subjected to SDS PAGE followed by western blot with 15080-1-AP (POLDIP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



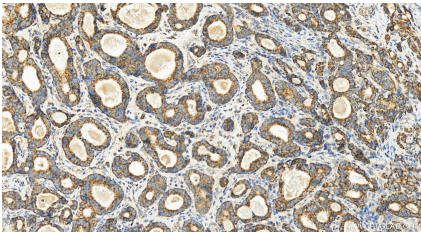
Immunofluorescent analysis of HeLa cells, using POLDIP2 antibody 15080-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



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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