

For Research Use Only

# PDIA6 Polyclonal antibody

Catalog Number: 18233-1-AP

Featured Product

20 Publications



## Basic Information

### Catalog Number:

18233-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12940

### GenBank Accession Number:

BC001312

### GeneID (NCBI):

10130

### UNIPROT ID:

Q15084

### Full Name:

protein disulfide isomerase family A, member 6

### Calculated MW:

48 kDa, 54 kDa

### Observed MW:

48-54 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP

### 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**: rat kidney tissue, mouse heart tissue, mouse liver tissue, mouse kidney tissue, mouse lung tissue, HeLa cells, L02 cells, HEK-293 cells

**IP**: HEK-293 cells,

**IHC**: mouse brain tissue, human spleen tissue, human stomach tissue, human stomach cancer tissue

**IF/ICC**: HeLa cells,

## Background Information

PDIA6 (Protein disulfide-isomerase A6) is also named as ERP5, P5, TXNDC7 and belongs to the protein disulfide isomerase family. It is one of the endoplasmic reticulum (ER) resident proteins that catalyze formation, reduction, and isomerization of disulfide bonds in proteins and are thought to play a role in folding of disulfide-bonded proteins (PMID:7590364). It has 2 isoforms produced by alternative splicing. This antibody is specific to PDIA6.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bing Sun	27684953	PLoS One	WB
Nirav Florian Chhabra	34487921	Mol Metab	WB
Zhi-Jie Xia	36393834	Front Cell Dev Biol	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

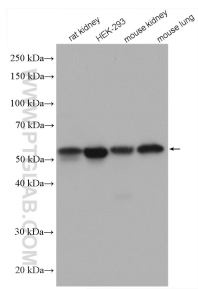
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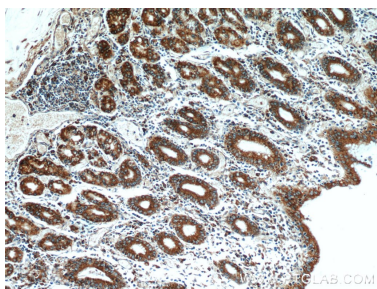
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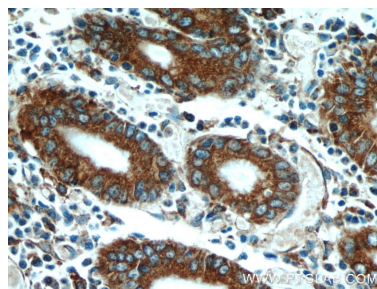
Selected Validation Data



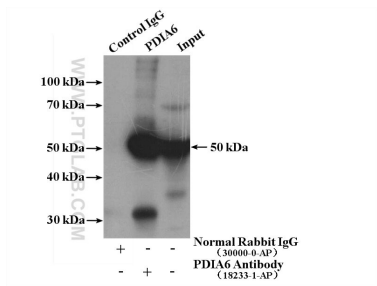
Various lysates were subjected to SDS PAGE followed by western blot with 18233-1-AP (PDIA6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



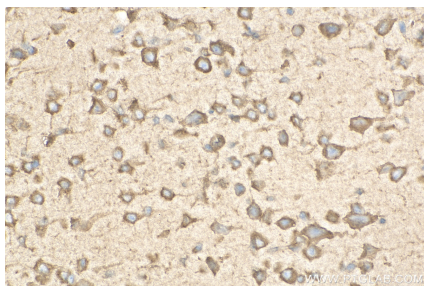
Immunohistochemical analysis of paraffin-embedded human stomach using 18233-1-AP (PDIA6 antibody) at dilution of 1:50 (under 10x lens).



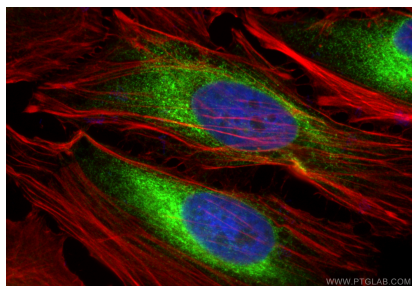
Immunohistochemical analysis of paraffin-embedded human stomach using 18233-1-AP (PDIA6 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-PDIA6 (IP:18233-1-AP, 4ug; Detection:18233-1-AP 1:3000) with HEK-293 cells lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 18233-1-AP (PDIA6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PDIA6 antibody (18233-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).