

For Research Use Only

PDIA6 Polyclonal antibody

Catalog Number: 18233-1-AP

Featured Product

19 Publications



Basic Information

Catalog Number:

18233-1-AP

Size:

450 µg/ml

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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF 1:20-1:200

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

WB, IP, IF, IHC

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: human stomach tissue, human spleen tissue, human stomach cancer tissue

IF: 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

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

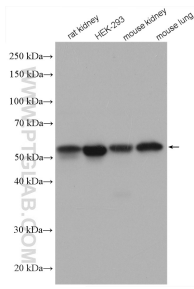
T: 4006900926

E: Proteintech-CN@ptglab.com

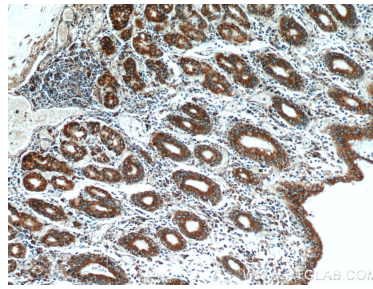
W: ptgcn.com

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

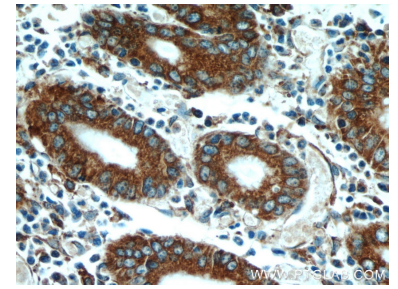
Selected Validation Data



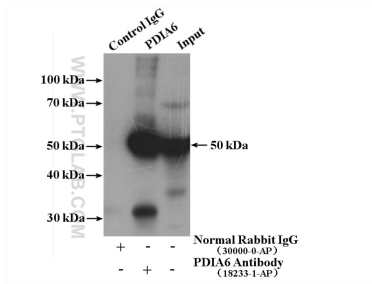
Various lysates were subjected to SDS PAGE followed by western blot with 18233-1-AP (PDIA6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



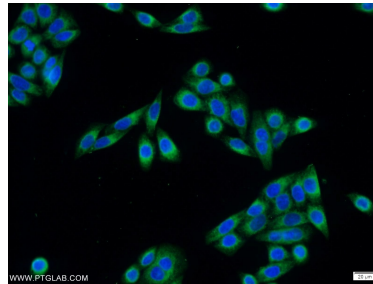
Immunohistochemical analysis of paraffin-embedded human stomach using 18233-1-AP (PDIA6 antibody) at dilution of 1:50 (under 10x lens).



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.



Immunofluorescent analysis of HeLa cells using 18233-1-AP (PDIA6 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).