For Research Use Only

PDIA6 Monoclonal antibody

Catalog Number:66669-1-Ig 1 Publications

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Basic Information

Catalog Number:
66669-1-Ig

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop and 548 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG27608

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:
54 kDa

Purification Method:
Protein A purification

CloneNo.:
1G2D4

Recommended Dilutions:
WB 1:5000-1:50000
IHC 1:150-1:600
IF/ICC 1:400-1:1600

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB

Species Specificity:
Human, Mouse, Rat

Cited Species:
zebrafish

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 : LNCaP cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells

IHC : human liver cancer tissue, human kidney tissue

IF/ICC : HepG2 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 the formation, reduction, and isomerization of disulfide bonds in proteins and is thought to play a role in the 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
Yongkang Zhang	30273864	Environ Pollut	WB

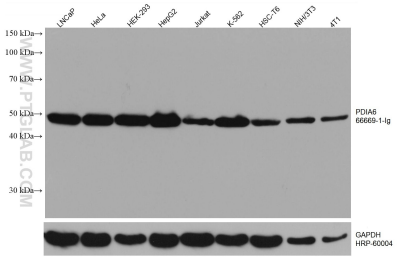
Storage

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

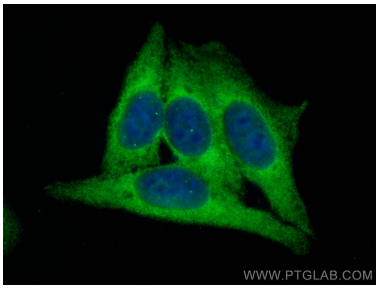
*** 20ul sizes contain 0.1% BSA

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

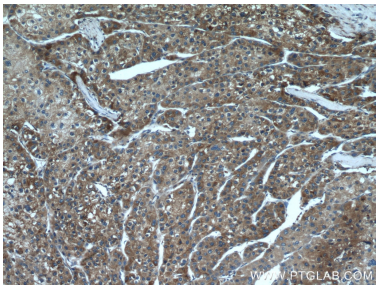
Selected Validation Data



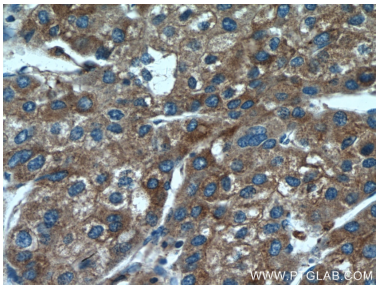
Various lysates were subjected to SDS PAGE followed by western blot with 66669-1-Ig (PDIA6 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



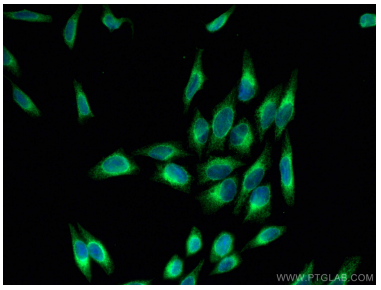
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PDIA6 antibody (66669-1-Ig, Clone: 1G2D4) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66669-1-Ig (PDIA6 antibody) at dilution of 1:300 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66669-1-Ig (PDIA6 antibody) at dilution of 1:300 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using PDIA6 antibody (66669-1-Ig, Clone: 1G2D4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).