

For Research Use Only

PDIR Polyclonal antibody

Catalog Number: 29593-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

29593-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31479

GenBank Accession Number:

BC001625

GeneID (NCBI):

10954

UNIPROT ID:

Q14554

Full Name:

protein disulfide isomerase family A, member 5

Calculated MW:

60 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

Human, Mouse, Rat

Cited Species:

human

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, L02 cells, HepG2 cells, mouse liver tissue, rat liver tissue

IHC : human placenta tissue,

Background Information

PDIR (Protein disulfide isomerase-related protein), also known as PDIA5 (Protein Disulfide Isomerase Family A Member 5), is a member of the PDI gene family and also exhibits chaperone-like activity. PDIR protein is correlated with immune infiltration, which is highly expressed in glioma and participates in glioma progression (PMID: 33664747). PDIR contributes to disulfide bond rearrangement in ATF6a under stress conditions that necessary for ATF6a activation upon ER stress (PMID: 24636989).

Notable Publications

Author	Pubmed ID	Journal	Application
Yu Chen	36003400	Front Immunol	WB, IF

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

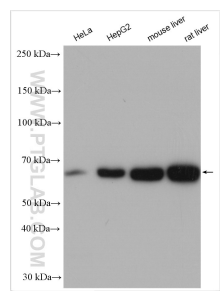
For technical support and original validation data for this product please contact:

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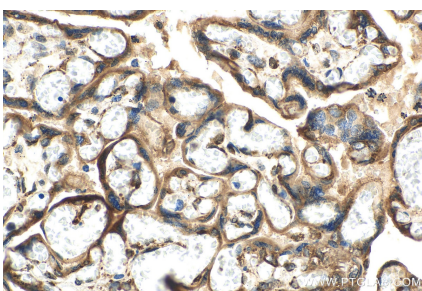
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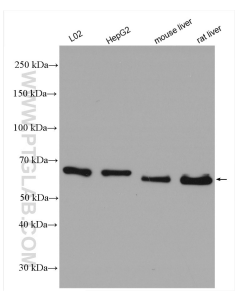
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29593-1-AP (PDIR antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 29593-1-AP (PDIR antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 29593-1-AP (PDIR antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.