

For Research Use Only

# PDIR Recombinant antibody

Catalog Number: 85599-4-RR



## Basic Information

Catalog Number:

85599-4-RR

Concentration:

1000 µg/ml

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:

Protein A purification

CloneNo.:

242971D11

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HepG2 cells, L02 cells, HeLa cells, MCF-7 cells,  
Jurkat cells, mouse liver 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 ATF6  $\alpha$  under stress conditions that necessary for ATF6  $\alpha$  activation upon ER stress (PMID: 24636989).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

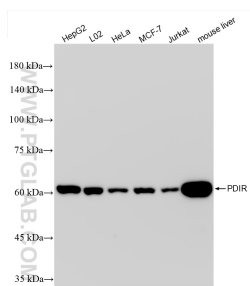
T: 4006900926

E: Proteintech-CN@ptglab.com

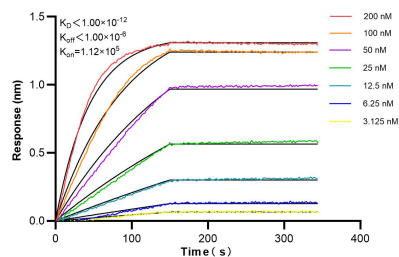
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85599-4-RR (PDIA5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85599-4-RR against Human PDIR were performed. The affinity constant is below 1 pM.