

For Research Use Only

# PDIR Recombinant antibody

Catalog Number: 85599-4-RR



## Basic Information

<b>Catalog Number:</b> 85599-4-RR	<b>GenBank Accession Number:</b> BC001625	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10954	<b>CloneNo.:</b> 242971D11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14554	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> protein disulfide isomerase family A, member 5	
<b>Immunogen Catalog Number:</b> AG31479	<b>Calculated MW:</b> 60 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> 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 ATF6α under stress conditions that necessary for ATF6α activation upon ER stress (PMID: 24636989).

## Storage

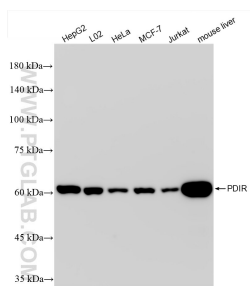
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

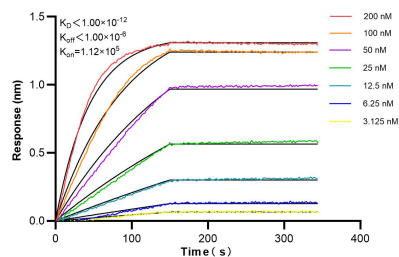
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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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.