

For Research Use Only

# PDIA4 Recombinant antibody

Catalog Number: 86239-1-RR



## Basic Information

<b>Catalog Number:</b> 86239-1-RR	<b>GenBank Accession Number:</b> NM_004911.5	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9601	<b>CloneNo.:</b> 250697E10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P13667	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> protein disulfide isomerase family A, member 4	
<b>Immunogen Catalog Number:</b> EG3011	<b>Calculated MW:</b> 73 kDa <b>Observed MW:</b> 75 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> HeLa cells, HepG2 cells, L02 cells, RAW264.7 cells <b>IF/ICC :</b> HeLa cells,

## Background Information

PDIA4 (Protein disulfide-isomerase A4) is also named as ERP70, ERP72 and belongs to the protein disulfide isomerase family. It catalyzes the rearrangement of -S-S- bonds in proteins. ERp72 is a soluble protein localized in the ER lumen and contains the COOH-terminal retention signal, KEEL. There are 6 cysteine residues in the amino acid sequences of mouse and human ERp72. All of the cysteine residues occur in the internal thioredoxin motif, CGHC (PMID:15475357). The full length protein has a signal peptide with 20 amino acid.

## Storage

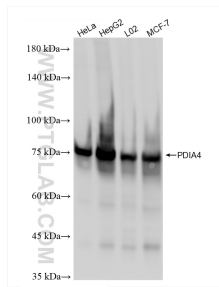
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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

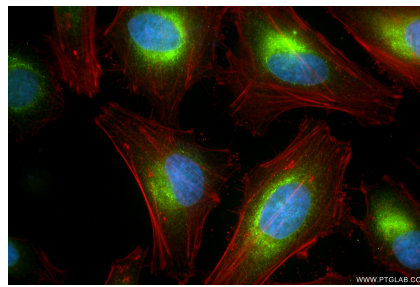
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86239-1-RR (PDIA4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PDIA4 antibody (86239-1-RR, Clone: 250697E10) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).