

For Research Use Only

# PDIA2 Recombinant antibody

Catalog Number: 84765-4-RR



## Basic Information

<b>Catalog Number:</b> 84765-4-RR	<b>GenBank Accession Number:</b> NM_006849.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 64714	<b>CloneNo.:</b> 242294E10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13087	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> protein disulfide isomerase family A, member 2	
<b>Immunogen Catalog Number:</b> AG35301	<b>Calculated MW:</b> 58 kDa	
	<b>Observed MW:</b> 60-65 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> mouse pancreas tissue, rat pancreas tissue, mouse stomach tissue, rat stomach tissue

## Background Information

PDIA2 (Protein disulfide-isomerase A2), a member of PDI family, is an ER protein chaperone that catalyzes the formation and breakage of disulfide bonds between cysteine residues and can inhibit aggregation of misfolded proteins by catalyzing rearrangement of -S-S- bonds in proteins. (PMID: 23486466)

## Storage

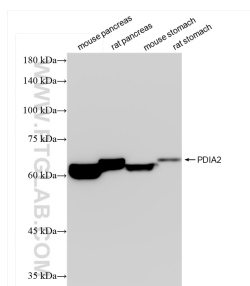
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

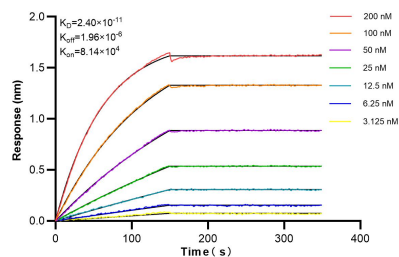
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84765-4-RR (PDIA2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84765-4-RR against Human PDIA2 were performed. The affinity constant is 24.0 pM.