

For Research Use Only

# PRDX6 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 86368-1-PBS



## Basic Information

Catalog Number: 86368-1-PBS	GenBank Accession Number: BC035857	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 9588	CloneNo.: 251053E8
Isotype: IgG	UNIPROT ID: P30041	
Immunogen Catalog Number: AG4512	Full Name: peroxiredoxin 6	
	Calculated MW: 224 aa, 25 kDa	
	Observed MW: 25-28 kDa	

## Applications

**Tested Applications:**  
WB, Sandwich ELISA, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

PRDX6 (Peroxiredoxin-6), also named as AOP2 or KIAA0106, is a unique member of the peroxiredoxin family of antioxidants. PRDX6 is highly expressed in liver and protects cells from oxidative damage by reducing H<sub>2</sub>O<sub>2</sub> and various lipid Peroxides (PMID: 17382207). It can form a dimer (PMID: 20500660). PRDX6 is expressed in all major organs, with a particularly high level in lung (PMID: 15890616). Prdx6 is detected at approximately 24 to 28 kDa, and can be monosumoylated with the molecular mass of about 40 kDa (PMID: 24910119).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

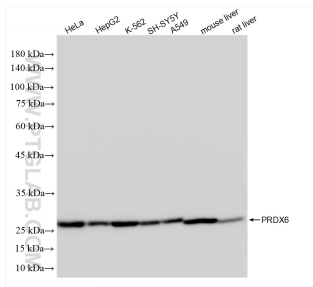
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

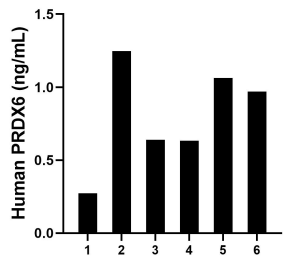
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

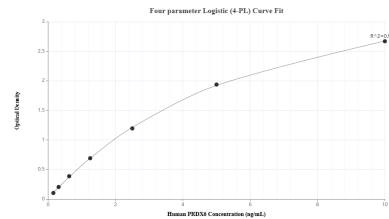
## Selected Validation Data



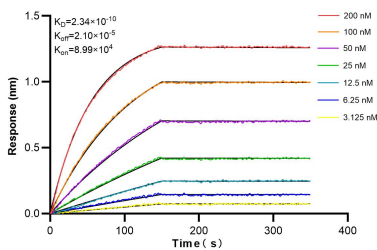
Various lysates were subjected to SDS PAGE followed by western blot with 86368-1-RR (PRDX6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86368-1-PBS in a different storage buffer formulation.



Plasma of six individual healthy human donors was measured. The human PRDX6 concentration of detected samples was determined to be 0.80 ng/mL with a range of 0.27 - 1.25 ng/mL.



Sandwich ELISA standard curve of MP02551-1, Human PRDX6 Recombinant Matched Antibody Pair - PBS only. 86368-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag4512. 86368-3-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



Biolayer interferometry (BLI) kinetic assays of 86368-1-RR against Human PRDX6 were performed. The affinity constant is 0.234 nM.