

PRDX6 Recombinant antibody

Catalog Number: 86368-1-RR

Basic Information

Catalog Number: 86368-1-RR	GenBank Accession Number: BC035857	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9588	CloneNo.: 251053E8
Source: Rabbit	UNIPROT ID: P30041	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: peroxiredoxin 6	
Immunogen Catalog Number: AG4512	Calculated MW: 224 aa, 25 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, K-562 cells, SH-SY5Y cells, A549 cells, mouse liver tissue, rat liver tissue
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 H₂O₂ 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

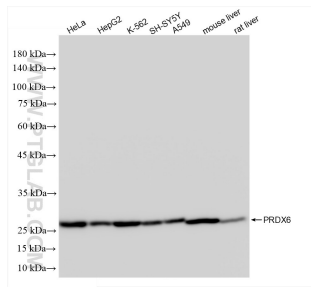
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

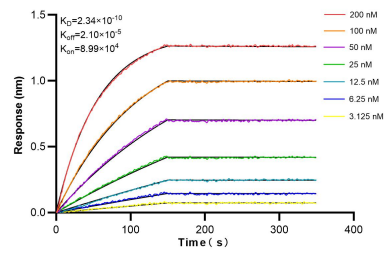
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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.



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