

For Research Use Only

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;	GenID (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:
Species Specificity:	human, mouse, rat	WB: HeLa cells, HepG2 cells, K-562 cells, SH-SY5Y cells, A549 cells, mouse liver tissue, rat liver tissue

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

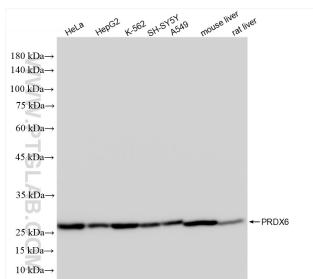
Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

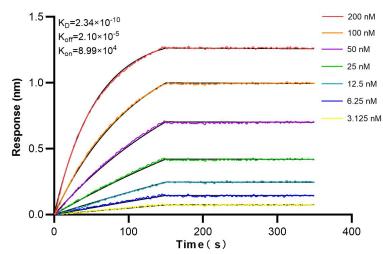
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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.