

For Research Use Only

GPX4 (Human Specific) Recombinant antibody



Catalog Number: 82822-2-RR

Basic Information

Catalog Number: 82822-2-RR	GenBank Accession Number: BC021567	Purification Method: Protein A purification
Size: 100ul , Concentration: 750 µg/ml by Nanodrop;	GeneID (NCBI): 2879	CloneNo.: 6E9
Source: Rabbit	UNIPROT ID: P36969	Recommended Dilutions: WB 1:2000-1:15000
Isotype: IgG	Full Name: glutathione peroxidase 4 (phospholipid hydroperoxidase)	
Immunogen Catalog Number: AG30650	Observed MW: 20-23 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, Jurkat cells, HEK-293 cells
Species Specificity: Human	

Background Information

GPX4 (Phospholipid hydroperoxide glutathione peroxidase, mitochondrial) protects cells against membrane lipid peroxidation and cell death. Required for normal sperm development and male fertility. It has two isoforms about 20KDa and 22KDa, respectively. GPX4 is a monomer, but it has a tendency to form higher mass oligomers (PMID:17630701). 82822-2-RR is human specific.

Storage

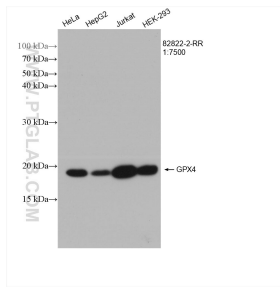
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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 82822-2-RR (GPX4 antibody) at dilution of 1:7500 incubated at room temperature for 1.5 hours.