

For Research Use Only

GPX4 (Human Specific) Recombinant antibody, PBS Only



Catalog Number: 82822-2-PBS

Basic Information

Catalog Number: 82822-2-PBS	GenBank Accession Number: BC021567	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 2879	CloneNo.: 6E9
Source: Rabbit	UNIPROT ID: P36969	
Isotype: IgG	Full Name: glutathione peroxidase 4 (phospholipid hydroperoxidase)	
Immunogen Catalog Number: AG30650	Observed MW: 20-23 kDa	

Applications

Tested Applications:
WB, IF, Indirect ELISA

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 -80°C.

Storage Buffer:
PBS Only

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

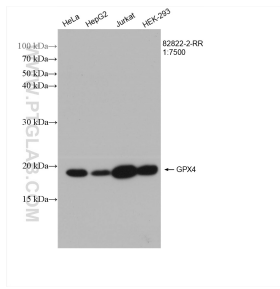
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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. This data was developed using the same antibody clone with 82822-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse testis tissue using GPX4 (Human Specific) antibody (82822-2-RR, Clone: 6E9) at dilution of 1:750 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82822-2-PBS in a different storage buffer formulation.