

For Research Use Only

# GPX4 (Human Specific) Recombinant antibody, PBS Only

Catalog Number: 82822-2-PBS

Featured Product



## Basic Information

Catalog Number:

82822-2-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30650

GenBank Accession Number:

BC021567

GeneID (NCBI):

2879

UNIPROT ID:

P36969

Full Name:

glutathione peroxidase 4  
(phospholipid hydroperoxidase)

Observed MW:

20-23 kDa

Purification Method:

Protein A purification

CloneNo.:

6E9

## Applications

Tested Applications:

WB, 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

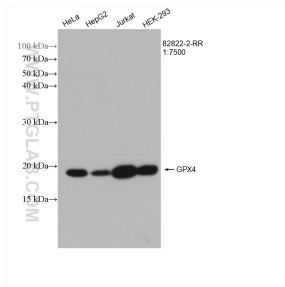
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

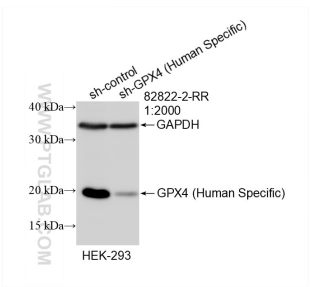
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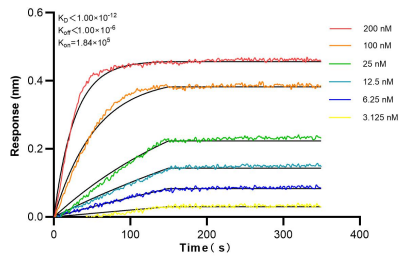
## Selected Validation Data



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.



WB result of GPX4 (Human Specific) antibody (82822-2-RR; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GPX4 (Human Specific) transfected HEK-293 cells. This data was developed using the same antibody clone with 82822-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82822-2-RR against Human GPX4 (Human Specific) were performed. The affinity constant is below 1 pM.