

For Research Use Only

GPX4 (Human Specific) Recombinant antibody

Catalog Number: 82822-2-RR

Featured Product

1 Publications



Basic Information

Catalog Number:

82822-2-RR

Size:

100ul, Concentration: 750 ug/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

Recommended Dilutions:

WB 1:2000-1:15000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB: HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Robert Jenke	38705532	Biochem Pharmacol	WB

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

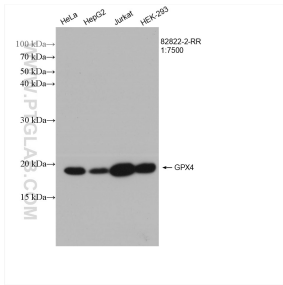
For technical support and original validation data for this product please contact:

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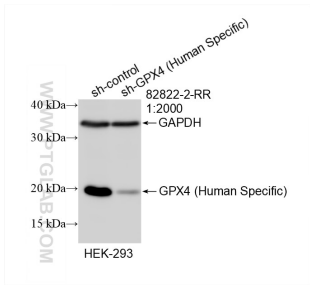
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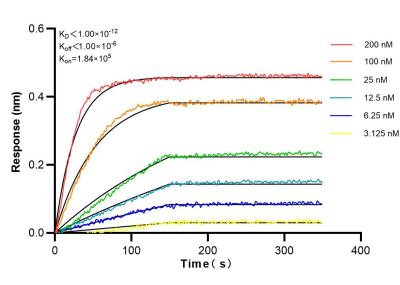
Selected Validation Data



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.



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.



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