

GPX4 Rabbit mAb

Catalog No: #49731

Package Size: #49731-1 50ul #49731-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

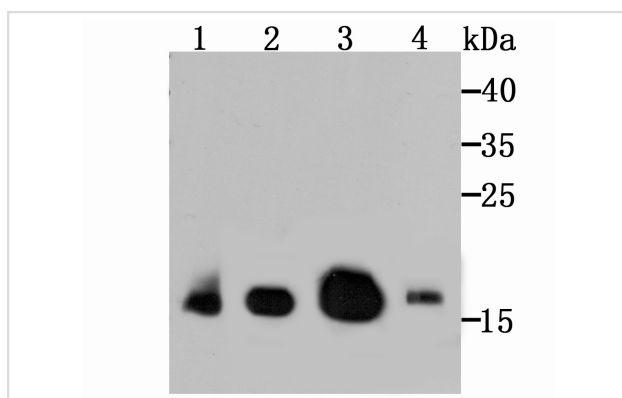
Description

| | |
|-----------------------|--|
| Product Name | GPX4 Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Clone No. | JU11-31 |
| Purification | ProA affinity purified |
| Applications | WB,IHC |
| Species Reactivity | Hu, Ms, Rt, Zebrafish |
| Immunogen Description | Recombinant protein |
| Other Names | Glutathione peroxidase 4 antibody GPX 4 antibody GPX-4 antibody GPX4 antibody GPX4_HUMAN antibody GSHPx-4 antibody MCSP antibody mitochondrial antibody PHGPx antibody Phospholipid hydroperoxidase antibody Phospholipid hydroperoxide glutathione peroxidase antibody Phospholipid hydroperoxide glutathione peroxidase mitochondrial antibody snGPx antibody snPHGPx antibody Sperm nucleus glutathione peroxidase antibody |
| Accession No. | Swiss-Prot#:P36969 |
| Uniprot | P36969 |
| GeneID | 2879; |
| Calculated MW | 22 kDa Clone number: JU11-31 |
| Formulation | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

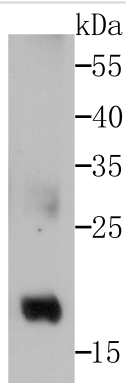
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200

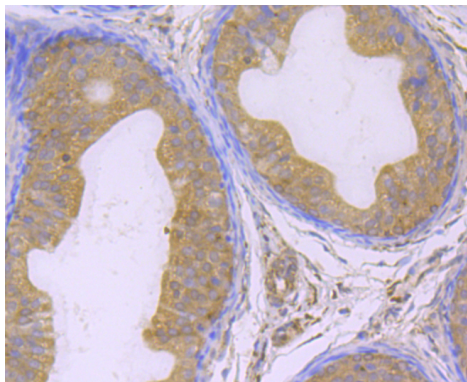
Images



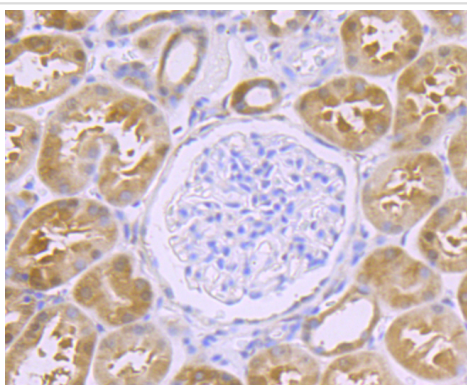
Western blot analysis of GPX4 on different lysates using anti-GPX4 antibody at 1/500 dilution. Positive control: Lane 1: Rat liver Lane 2: Mouse kidney Lane 3: Human liver Lane 4: Jurkat



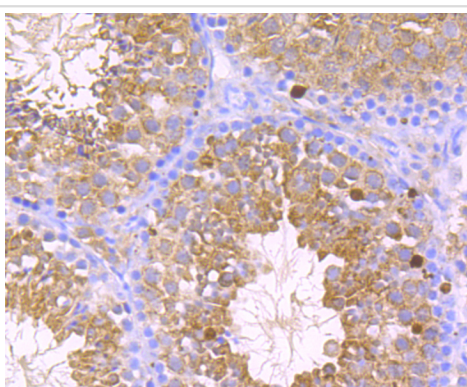
Western blot analysis of GPX4 on Zebrafish tissue lysates using anti-GPX4 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded rat epididymis tissue using anti-GPX4 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-GPX4 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-GPX4 antibody. Counter stained with hematoxylin.

Background

Glutathione peroxidase (GPx) enzymes are generally selenium-containing tetrameric glycoproteins that help prevent lipid peroxidation of cell membranes. GPx enzymes reduce lipid hydroperoxides to alcohols, and reduce free hydrogen peroxide to water. GPx members are among the few proteins known in higher vertebrates to contain selenocysteine, which occurs at the active site of glutathione peroxidase and is coded by the nonsense (stop) codon TGA. There are eight GPx homologs (GPx-1-8). GPx-1, Gpx-2 and Gpx-3 exist as homotetramers. Gpx-4 has a high tendency to form high molecular weight oligomers.

References

Note: This product is for in vitro research use only