

GPX4 Monoclonal antibody

Cat: B07008R

Company: HaoKeBio

Uniprot ID: P36969

Applications: IHC: 1:1000-1:4000

Organism: Mouse

IHC-Polymer: 1:4000-1:16000

Species reactivity: Human Mouse Rat

IHC-TSA: 1:5000-1:20000

Molecular Weight Calculation: 20-23 kDa

IF: 1:50-1:200

Observed Molecular Weight: 20-23 kDa

WB: 1:1000-1:4000

Background:

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. It presents primarily in testis.

Protein full name:

glutathione peroxidase 4 (phospholipid hydroperoxidase)

Synonyms:

3F5G5, EC:1.11.1.12, EC:1.11.1.9, GPx 4, GPx-4

Immunogen:

Recombinant protein

Isotype:

IgG2b

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

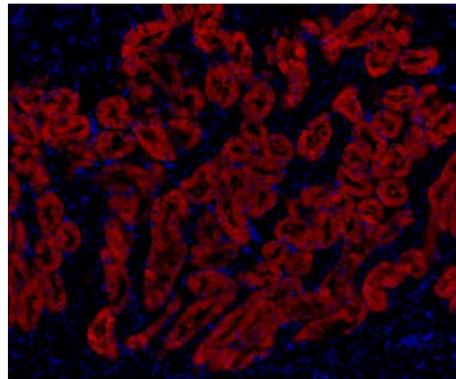
Storage:

Store at -20 °C for one year.

Experimental procedure:

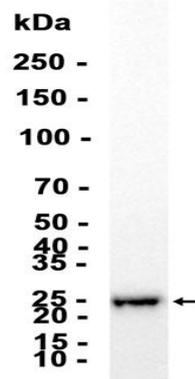
Antigen retrieval: Citrate buffer (pH 6.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse kidney, 4% PFA 12-24h

Rat kidney



Dilution of 1:4000 incubated at room temperature for 1.5 hours.

Source of Reagents:

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