

Datasheet for ABIN7163349
anti-GPX4 antibody (AA 74-197)[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | GPX4 |
| Binding Specificity: | AA 74-197 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GPX4 antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF) |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant Human Phospholipid hydroperoxide glutathione peroxidase, mitochondrial protein (74-197AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | >95%, Protein G purified |

Target Details

| | |
|-------------------|---|
| Target: | GPX4 |
| Alternative Name: | GPX4 (GPX4 Products) |
| Background: | Background: Protects cells against membrane lipid peroxidation and cell death. Required for |

Target Details

normal sperm development and male fertility. Could play a major role in protecting mammals from the toxicity of ingested lipid hydroperoxides. Essential for embryonic development. Protects from radiation and oxidative damage. Essential for maturation and survival of photoreceptor cells. Plays a role in a primary T cell response to viral and parasitic infection by protecting T cells from ferroptosis, a cell death resulting from an iron-dependent accumulation of lipid reactive oxygen species, and by supporting T cell expansion.

Aliases: 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

UniProt: [P36969](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

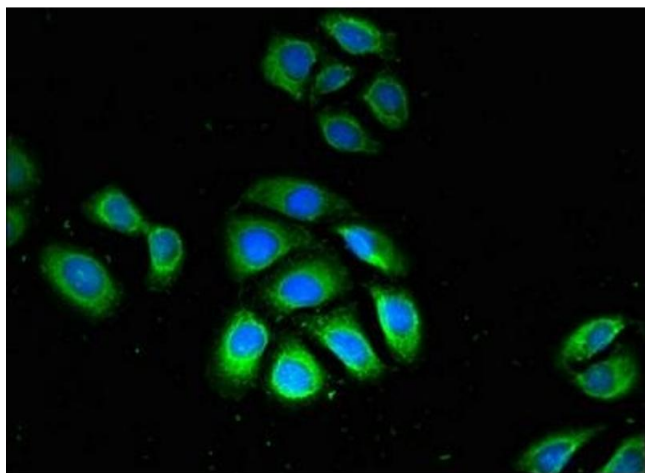
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

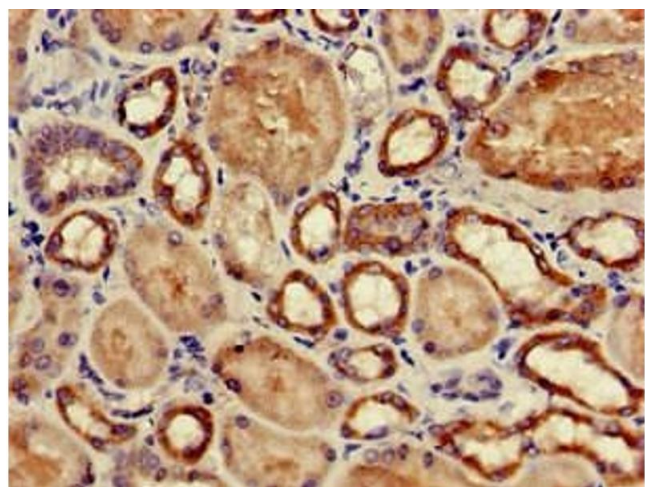
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescent analysis of A549 cells using ABIN7163349 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7163349 at dilution of 1:100