For Research Use Only

GPX3
Polyclonal ANTIBODY

Catalog Number: 13947-1-AP  Featured Product  3 Publications

Basic Information

Catalog Number: 13947-1-AP
Size: 150UL, 170 μg/mL
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG5054

GenBank Accession Number: BC050378
Recommended Dilutions:
WB: 1:500-1:1000
IF: 1:50-1:500

Full Name: glutathione peroxidase 3 (plasma)

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AG5054

Size:
150UL, 170 μg/mL

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG5054

Applications

Tested Applications:
IF, WB, ELISA
Cited Applications:
IF, WB

Species Specificity:
human, mouse, rat
Cited Species:
chicken, human, mouse

Background Information

GPX3 (glutathione peroxidase 3) is also named as Plasma Glutathione Peroxidase. GPX3 can protect cells and enzymes from oxidative damage, by catalyzing the reduction of hydrogen peroxide, lipid peroxides and organic hydroperoxide, by glutathione. GPX3 is secreted into plasma and like GPX1, is an 100 kDa homotetramer consisting of four identical 23 kDa subunits, each containing a selenocysteine residue at the active site. It can be detected as a band of 20 kDa which is considered as the chain A of GPX3 (selenocysteine to glycine mutant).

Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yuanyuan Tu</td>
<td>31814699</td>
<td>Mol Vis</td>
<td>IF</td>
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<tr>
<td>Chunbin Zhang</td>
<td>31066116</td>
<td>Mol Carcinog</td>
<td>WB</td>
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<tr>
<td>Yafan Gong</td>
<td>30515791</td>
<td>J Cell Physiol</td>
<td>WB</td>
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</tbody>
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Storage

Store at -20°C.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

Mouse kidney tissue were subjected to SDS PAGE followed by western blot with 13947-1-AP (GPX3 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of 4% (v/v) Ethanol fixed HEK-293 cells using 13947-1-AP (GPX3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L)