

## Anti-GPX3 Antibody (Center)

Catalog Number: A02637

### About GPX3

This gene product belongs to the glutathione peroxidase family, which functions in the detoxification of hydrogen peroxide. It contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon, which normally signals translation termination. The 3' UTR of Sec-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal.

### Overview

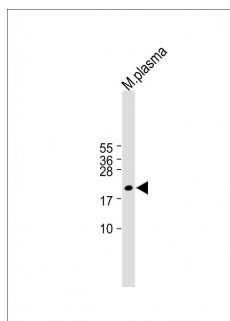
|                      |                                                                                                                                          |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-GPX3 Antibody (Center)                                                                                                              |
| Reactive Species     | Human, Mouse                                                                                                                             |
| Description          | Boster Bio Anti-GPX3 Antibody (Center) (Catalog # A02637). Tested in WB, IHC-P application(s). This antibody reacts with Human, Mouse.   |
| Application          | IHC-P, WB                                                                                                                                |
| Clonality            | Polyclonal                                                                                                                               |
| Formulation          | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.                                                              |
| Storage Instructions | Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Host                 | Rabbit                                                                                                                                   |
| Uniprot ID           | P22352                                                                                                                                   |

### Technical Details

|                            |                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                  | This GPX3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 93-123 amino acids from the Central region of human GPX3.                                                                                                                                                                                                                                       |
| Predicted Reactive Species | Bovine, Monkey, Rabbit                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype                    | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                             |
| Purification               | This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                                                                                                                                                                                                                                                       |
| Suggested Dilutions        | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.<br>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.<br>Some PubMed article(s) citing the expression level of this target are as follows:<br>Boster Bio's internal QC testing used:<br>WB: 1:1000 |

|  |                   |
|--|-------------------|
|  | IHC-P: 1:50-1:100 |
|--|-------------------|

## Anti-GPX3 Antibody (Center) (A02637) Images



All lanes : Anti-GPX3 Antibody (Center) at 1:1000 dilution  
Lane 1: M. plasma lysate

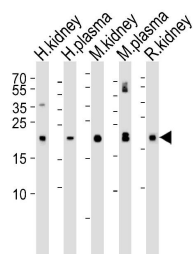
Lysates/proteins at 20 µg per lane.

Secondary

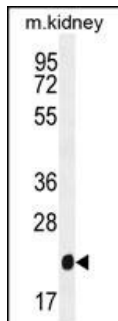
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.

Observed band size : 22kDa

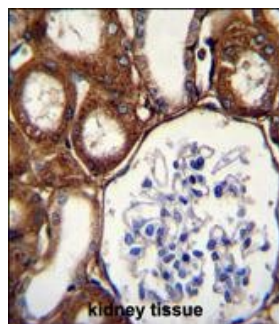
Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of lysates from human kidney, plasma, mouse kidney, plasma and rat kidney tissue lysate (from left to right), using GPX3 Antibody (Center) (Cat. #A02637). A02637 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



GPX3 Antibody (Center) (Cat. #A02637) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the GPX3 antibody detected the GPX3 protein (arrow).



GPX3 Antibody (Center) (Cat. #A02637) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GPX3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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