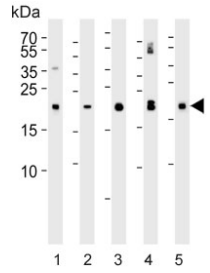
GPX3 Antibody (F54583)

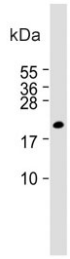
Catalog No.	Formulation	Size
F54583-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54583-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

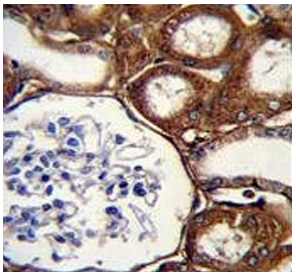
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P22352
Localization	Cytoplasmic, nuclear
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:25
Limitations	This GPX3 antibody is available for research use only.



Western blot testing of 1) human kidney, 2) human plasma, 3) mouse kidney, 4) mouse plasma and 5) rat kidney lysate with GPX3 antibody. Expected molecular weight: 23-26 kDa.



Western blot testing of mouse plasma lysate with GPX3 antibody. Expected molecular weight: 23-26 kDa.



IHC testing of FFPE human kidney tissue with GPX3 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the GPX3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 93-123 from the human protein was used as the immunogen for the GPX3 antibody.

Storage

Aliquot the GPX3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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