

Product Datasheet

Glutathione Peroxidase 4/GPX4 Antibody (7O4Q9) NBP3-15362-100ul

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

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NBP3-15362-100ul

Glutathione Peroxidase 4/GPX4 Antibody (7O4Q9)

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7O4Q9
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.3), 50% glycerol, 0.05% BSA
Target Molecular Weight	22 kDa
Product Description	
Host	Rabbit
Gene ID	2879
Gene Symbol	GPX4
Species	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Glutathione Peroxidase 4/GPX4 (P36969). MSLGRLCRLKPALLCGALAAPGLAGTMCASRDDWRCARSMHEFSAKDIDGH MVNLDKYRGFVCIVTNVASQUGKTEVNYTQLVDLHARYAECGLRILAF
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
Recommended Dilutions	Western Blot 1:1000 - 1:6000, ELISA Recommended starting concentration is 1 ug/mL, Immunocytochemistry/ Immunofluorescence 1:200 - 1:800, Knockdown Validated



Images

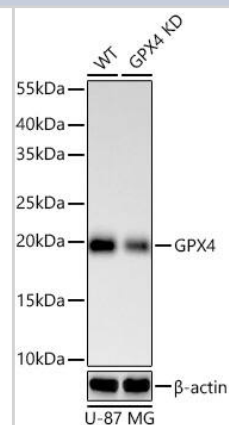
Western Blot: Glutathione Peroxidase 4/GPX4 Antibody (7O4Q9)
 [Glutathione Peroxidase 4/GPX4] - Western blot analysis of lysates from wild type (WT) and Glutathione Peroxidase 4/GPX4 knockdown (KD) U-87 MG cells using [KD Validated] Glutathione Peroxidase 4/GPX4 Rabbit mAb at 1:1000 dilution incubated overnight at 4C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25 ug per lane.

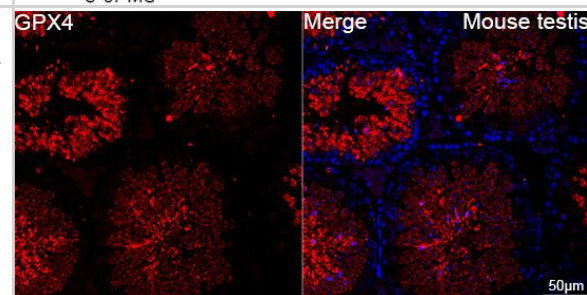
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit .

Exposure time: 60s.

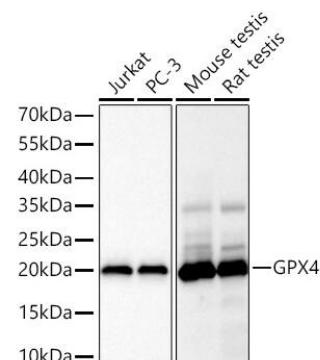


Immunocytochemistry/ Immunofluorescence: Glutathione Peroxidase 4/GPX4 Antibody (7O4Q9) [NBP3-15362] - Confocal imaging of paraffin-embedded Mouse testis tissue using [KD Validated] Glutathione Peroxidase 4/GPX4 Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) . DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Analysis of various lysates using [KD Validated] GPX4 Rabbit mAb at 1:2000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25 μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.





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Products Related to NBP3-15362-100ul

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-56139PEP	Glutathione Peroxidase 4/GPX4 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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