

# Product Datasheet

## Glutathione Peroxidase 4/GPX4 Antibody - Isoform a and c NB100-41379

Unit Size: 0.1 mg

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

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**NB100-41379**

## Glutathione Peroxidase 4/GPX4 Antibody - Isoform a and c

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Glutathione Peroxidase 4/GPX4 Antibody - Isoform a and c (NB100-41379) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-Glutathione Peroxidase 4/GPX4 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	2879
Gene Symbol	GPX4
Species	Human
Specificity/Sensitivity	This antibody is expected to recognise isoform A (NP_002076.2) and isoform C (NP_001034937.1).
Immunogen	Peptide with sequence C-EEPLVIEKDLPHY corresponding to C-Terminus according to NP_002076.2, NP_001034937.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 0.3 ug/ml, Immunohistochemistry 0.3 ug/ml, Immunohistochemistry-Paraffin 0.3 ug/ml, Peptide ELISA Detection limit 1:16000
Application Notes	WB: Approx. 19 kDa band observed in human kidney and testis lysates and in HEK293 lysates (calculated MW of 22.1 kDa band according to NP_002076.2). IHC-P: Human testis shows strong staining surrounding the nuclei of spermatocytes and surrounding spermatozoa.

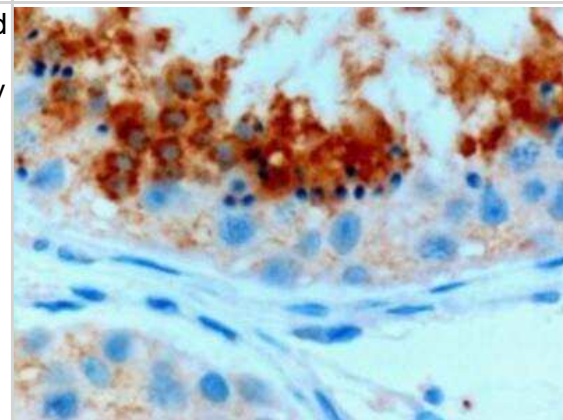


## Images

Western Blot: Glutathione Peroxidase 4 (Isoform a and c) Antibody [NB100-41379] - Analysis of Glutathione Peroxidase 4 (Isoform a and c) in Human Testis lysate using this antibody at 0.1ug/ml.



Immunohistochemistry-Paraffin: Glutathione Peroxidase 4 (Isoform a and c) Antibody [NB100-41379] - IHC analysis of Glutathione Peroxidase 4 (Isoform a and c) in paraffin embedded Human Testis using this antibody at 0.3 ug/ml. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.



## Publications

Su D, Novoselov SV, Sun QA et al. Mammalian selenoprotein thioredoxin/glutathione reductase: Roles in disulfide bond formation and sperm maturation. J Biol Chem 2005-05-18 [PMID: 15901730]



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### Products Related to NB100-41379

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### 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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