

Product Datasheet

Glutathione Peroxidase 1/GPX1 Antibody NB100-40805

Unit Size: 0.1 mg

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

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Publications: 1

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NB100-40805

Glutathione Peroxidase 1/GPX1 Antibody

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 1/GPX1 Antibody (NB100-40805) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-Glutathione Peroxidase 1/GPX1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	2876
Gene Symbol	GPX1
Species	Human, Porcine
Specificity/Sensitivity	This antibody is expected to recognise isoform 1 (NP_000572.2) only.
Immunogen	Peptide with sequence C-REALPAPSDDATA corresponding to internal region according to NP_000572.2.

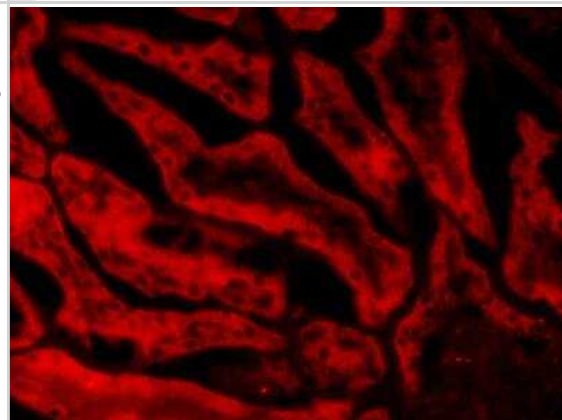
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen, Peptide ELISA
Recommended Dilutions	Western Blot 1 - 3 ug/ml, Immunohistochemistry 3.7 ug/ml, Immunohistochemistry-Paraffin 3.7 ug/ml, Immunohistochemistry-Frozen 20 ug/ml, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Approx. 22 kDa band observed in human liver and kidney lysates (calculated MW of 22.1 kDa band according to NP_000572.2). IHC: Human cerebral cortex shows staining of microglia. Paraffin embedded Human Liver. IHC-Fr: Porcine kidney shows staining of cytoplasm in PCT epithelial cells.

Images

Western Blot: Glutathione Peroxidase 1/GPX1 Antibody [NB100-40805] - Staining of Human Liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa
10kDa

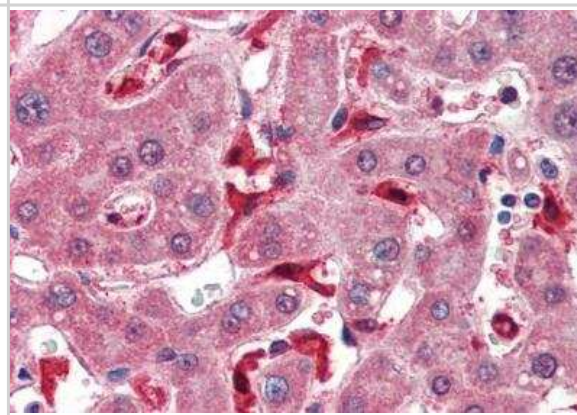
Immunohistochemistry-Frozen: Glutathione Peroxidase 1/GPX1 Antibody [NB100-40805] - Staining of PFA-perfused cryosection of Porcine Kidney. Microwave antigen retrieval with citrate buffer pH 3, CY3-staining. Data obtained from Dr. Hrvoje Brzica, University of Zagreb, Croatia



Immunohistochemistry-Paraffin: Glutathione Peroxidase 1/GPX1 Antibody [NB100-40805] - Staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: Glutathione Peroxidase 1/GPX1 Antibody [NB100-40805] - Staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Publications

Kato S, Kato M, Abe Y et al. Redox system expression in the motor neurons in amyotrophic lateral sclerosis (ALS): immunohistochemical studies on sporadic ALS, superoxide dismutase 1 (SOD1)-mutated familial ALS, and SOD1-mutated ALS animal models. *Acta Neuropathol* 2005-06-28 [PMID: 15983830]



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Products Related to NB100-40805

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

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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