

Product Datasheet

Glutathione Peroxidase 2/GPX2 Antibody NB100-1888

Unit Size: 0.1 mg

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

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NB100-1888**Glutathione Peroxidase 2/GPX2 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

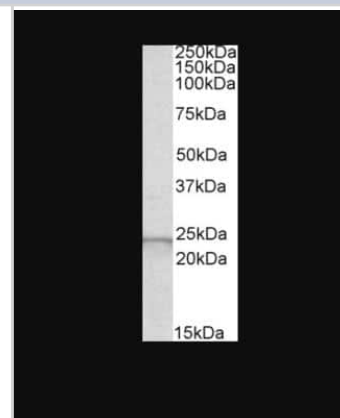
Host	Goat
Gene ID	2877
Gene Symbol	GPX2
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 19151108); Rat reactivity reported in scientific literature (PMID: 18056462).
Immunogen	Peptide with sequence C-SLDGEKVDFN corresponding to internal region according to NP_002074.2.

Product Application Details

Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.5 - 2 ug/ml, Immunohistochemistry 1:10 - 1:500, Immunohistochemistry-Paraffin, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Approx. 24 kDa band observed in human liver lysates (calculated MW of 21.9 kDa band according to NP_002074.2). Use in IHC-P reactivity reported in (PMID: 24562575).

Images

Western Blot: Glutathione Peroxidase 2/GPX2 Antibody [NB100-1888] - Staining (0.5ug/ml) of Human Liver lysate (RIPA buffer, 30ug total protein per lane). Primary incubated for 1 hour. Detected by chemiluminescence.



Publications

Doi K, Fujioka M, Sokuza Y et al. Chemopreventive Action by Ethanol-extracted Brazilian Green Propolis on Post-initiation Phase of Inflammation-associated Rat Colon Tumorigenesis. *In Vivo*. 2017-03-30 [PMID: 28358699] (IF/IHC, Mouse)

Esworthy RS, Yang L, Frankel PH, Chu FF. Epithelium-specific glutathione peroxidase, Gpx2, is involved in the prevention of intestinal inflammation in selenium-deficient mice. *J Nutr* 2005-04-01 [PMID: 15795427]

Naiki T, Naiki-Ito A, Asamoto M et al. GPX2 overexpression is involved in cell proliferation and prognosis of castration resistant prostate cancer. *Carcinogenesis*. 2014-02-22 [PMID: 24562575] (IHC-P, WB, Rat, Human)

Details:

Rat castration-resistant prostate cancer model: Fig 1A [IHC(P), Fig 1B (WB); LnCAP and PC3 human prostate carcinoma cells: Fig 1B (WB); Human prostatectomy normal and cancerous specimens: Figs 4 & 5 [IHC (P)]. sections of the tissues were incubated with 1

Naiki-Ito A, Asamoto M, Hokaiwado N et al. Gpx2 is an overexpressed gene in rat breast cancers induced by three different chemical carcinogens. *Cancer Res*. 2007-12-01 [PMID: 18056462] (WB, IHC-P, Rat)

Details:

WB: rat normal mammary and carcinogen-induced mammary cancer (Fig 2B) IHC (paraffin): rat normal mammary tissue and carcinogen-induced mammary cancer (Fig 2C) and human normal breast and breast cancer (Fig 3).

McGrath-Morrow S, Lauer T, Yee M et al. Nrf2 increases survival and attenuates alveolar growth inhibition in neonatal mice exposed to hyperoxia. *Am J Physiol Lung Cell Mol Physiol*. 2009-04-01 [PMID: 19151108] (WB, Mouse)

Details:

Newborn mouse lung tissue: WB (Fig 4B, C); IHC (paraffin): Fig 4D.

Roland-Zejly L, Moisan V, St-Pierre I, Bilodeau JF. Altered placental glutathione peroxidase mRNA expression in preeclampsia according to the presence or absence of labor Placenta 2011-02-01 [PMID: 21145108] (IF/IHC, Human)





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Products Related to NB100-1888

NB820-59232	Human Liver Whole Tissue Lysate (Adult Whole Normal)
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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