

Product Datasheet

HO-1/HMOX1/HSP32 Antibody (HO-1-1) NBP1-97507-0.05mg

Unit Size: 0.05 mg

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

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NBP1-97507-0.05mg

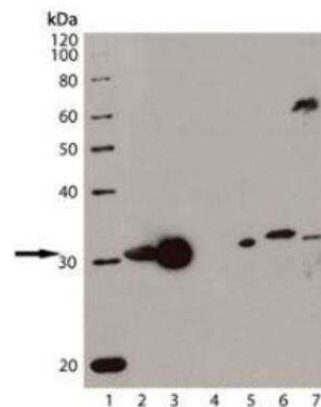
HO-1/HMOX1/HSP32 Antibody (HO-1-1)

Product Information	
Unit Size	0.05 mg
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	HO-1-1
Preservative	0.09% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS and 50% Glycerol
Target Molecular Weight	33 kDa
Product Description	
Host	Mouse
Gene ID	3162
Gene Symbol	HMOX1
Species	Human, Mouse, Rat, Bovine, Canine
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Marker	Oxidative Stress Marker
Immunogen	Synthetic peptide corresponding to the sequence near the N-terminus of human HO-1.
Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000, Simple Western, Flow Cytometry 10 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Use in Simple Western reported in scientific literature (PMID: 29890265).

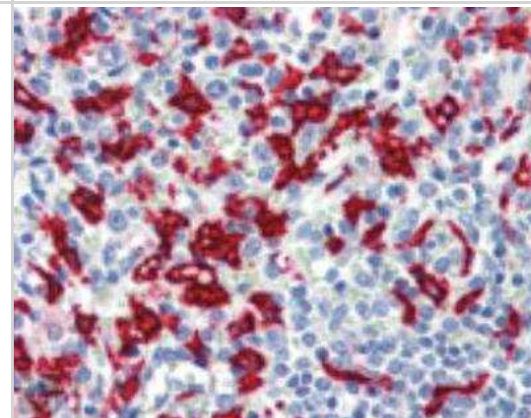


Images

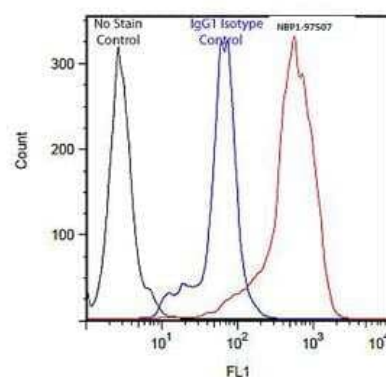
Western Blot: HO-1/HMOX1/HSP32 Antibody (HO-1-1) [NBP1-97507] - Lane 1: MW marker; Lane 2: HO-1 (rat), (recombinant); Lane 3: HO-1 (human), (recombinant); Lane 4: HO-2 (human), (recombinant); Lane 5: MDBK cell lysate; Lane 6: Dog liver microsomes; Lane 7: Mouse liver microsomes.



Immunohistochemistry-Paraffin: HO-1/HMOX1/HSP32 Antibody (HO-1-1) [NBP1-97507] - Analysis of human spleen tissue stained with HO-1, mAb (HO-1-1) at 10ug/ml.



Flow Cytometry: HO-1/HMOX1/HSP32 Antibody (HO-1-1) [NBP1-97507] - Analysis of 10^6 Jurkat cells stained using HO-1 monoclonal antibody (HO-1-1), (Prod. No. ADI-OSA-110), at a concentration of 50 ug/mL



Publications

Hung YW, Ouyang C, Ping X et al. Extracellular arginine availability modulates eIF2 γ O-GlcNAcylation and heme oxygenase 1 translation for cellular homeostasis *Journal of biomedical science* 2023-05-22 [PMID: 37217939] (IHC-P, WB, ICC/IF, Human)

Yoo MH, Lee SJ, Kim W et al. Bisphenol A impairs renal function by reducing Na⁺/K⁺-ATPase and F-actin expression, kidney tubule formation in vitro and in vivo *Ecotoxicology and environmental safety* 2022-10-04 [PMID: 36206637] (IF/IHC, ICC/IF, Rat, Human)

Rai D, Tripathi AK, Sardar A et al. A novel BMP2 secretagogue ameliorates glucocorticoid induced oxidative stress in osteoblasts by activating NRF2 dependent survival while promoting Wnt/ beta-catenin mediated osteogenesis *Free radical biology & medicine* 2022-08-10 [PMID: 35963563] (WB, Mouse)

Arigela CS, Nelli G, Gan SH Et al. Bitter Gourd Honey Ameliorates Hepatic and Renal Diabetic Complications on Type 2 Diabetes Rat Models by Antioxidant, Anti-Inflammatory, and Anti-Apoptotic Mechanisms *Foods* (Basel, Switzerland) 2021-11-20 [PMID: 34829154] (ICC/IF, Rat)

Vendidandala NR, Yin TP, Nelli G Et al. Gallocatechin silver nanoparticle impregnated cotton gauze patches enhance wound healing in diabetic rats by suppressing oxidative stress and inflammation via modulating the Nrf2/HO-1 and TLR4/NF-kappa B pathways *Life sciences* 2021-10-06 [PMID: 34624322] (IHC-P, Rat)

Nesbitt NM, Malone LE, Liu Z et al. Divergent erythroid megakaryocyte fates in Blvrb-deficient mice establish non-overlapping cytoprotective functions during stress hematopoiesis *Free radical biology & medicine* 2020-12-24 [PMID: 33359909] (WB, Mouse)

Seok J, Park H, Choi JH et al. Placenta-Derived Mesenchymal Stem Cells Restore the Ovary Function in an Ovariectomized Rat Model via an Antioxidant Effect *Antioxidants* (Basel) 2020-07-06 [PMID: 32640638] (WB, Rat)

Seimetz M, Sommer N, Bednorz M et al. NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD *Nat Metab* 2020-06-01 [PMID: 32694733]

Kaya O, Orhan E, Sapmaz-Metin M, et al. The effects of epidermal growth factor on early burn-wound progression in rats *Dermatol Ther* 2019-12-18 [PMID: 31849151] (IF/IHC, Rat)

Deng G, Ma C, Zhao H et al. Anti-edema and antioxidant combination therapy for ischemic stroke via glyburide-loaded betulinic acid nanoparticles *Theranostics* 2019-09-21 [PMID: 31660082] (WB, Human)

Mossoba ME, Vohra S, Toomer H et al. Diglycolic acid induces HepG2/C3A liver cell toxicity in vitro *Toxicol In Vitro*. [PMID: 29890265] (SW, Human)

Tocmo R, Parkin K S-1-propenylmercaptocysteine protects murine hepatocytes against oxidative stress via persulfidation of Keap1 and activation of Nrf2 *Free Radic. Biol. Med.* 2019-07-23 [PMID: 31349040] (WB, Mouse)

More publications at <http://www.novusbio.com/NBP1-97507>



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Products Related to NBP1-97507-0.05mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-77459PEP	HO-1/HMOX1/HSP32 Antibody Blocking Peptide

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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