

Product Datasheet

metallothionein Antibody (UC1MT) - BSA Free NBP1-97493-0.05mg

Unit Size: 0.05 mg

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

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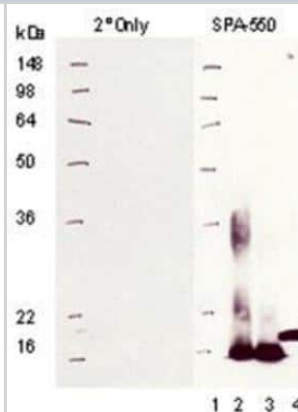
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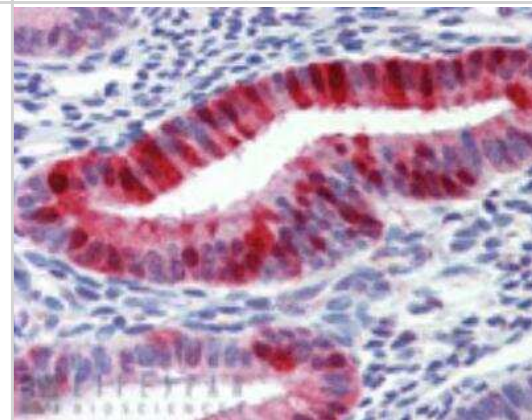
Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	UC1MT
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.2) and 50% Glycerol
Product Description	
Description	Novus Biologicals Mouse metallothionein Antibody (UC1MT) - BSA Free (NBP1-97493) is a monoclonal antibody validated for use in IHC, WB and ELISA. Anti-metallothionein Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Human, Mouse, Rat, Equine, Fish, Rabbit
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.
Immunogen	Cross-linked rabbit liver Metallothionein I and II.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, ELISA, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Immunohistochemistry-Paraffin and detects a band of ~15kDa by Western blot.

Images

Lane 1: MW marker, Lane 2: MT I, Lane 3: MT II, Lane 4: Mummichog CdCl₂.



Human uterus tissue stained with Metallothionein, mAb (UC1MT) at 10ug/ml.



Publications

Escolar G, Diaz-Ricart M, Arellano-Rodrigo E, Galán AM. The pharmacokinetics of edoxaban for the prevention and treatment of venous thromboembolism. *Expert opinion on drug metabolism & toxicology* 2015-01-26 [PMID: 24471416]

Tao Guo, Jian Wang, Xiangyu Meng, Ye Wang, Yihaoyun Lou, Jianglei Ma, Shuang Xu, Xiangyu Ni, Zongming Jia, Lichen Jin, Chengyu Wang, Qingyang Chen, Peng Li, Yuhua Huang, Shancheng Ren Deciphering the role of zinc homeostasis in the tumor microenvironment and prognosis of prostate cancer *Discover Oncology* 2024-06-04 [PMID: 38833013]

Han H, Nakaoka HJ, Hofmann L et al. The Hippo pathway kinases LATS1 and LATS2 attenuate cellular responses to heavy metals through phosphorylating MTF1 *Nature cell biology* 2022-01-01 [PMID: 35027733]

Chun K, Lee C, Kim K et al. Effects of Androgen Receptor Inhibition on Kanamycin-Induced Hearing Loss in Rats *International Journal of Molecular Sciences* 2021-05-18 [PMID: 34070066] (WB, Rat)

Gumasta P Immunohistochemical Expression of Oxidative Stress Markers in Bovine Tissues Correlated to Cadmium Concentration *JAR* 2019-10-15

Kim JH, Jeon J, Shin M et al. Regulation of the Catabolic Cascade in Osteoarthritis by the Zinc-ZIP8-MTF1 Axis. *Cell* 2014-02-17 [PMID: 24529376] (IHC-P, Mouse)

SG Kim et al. Potentiation of cadmium-induced cytotoxicity by sulfur amino acid deprivation through activation of extracellular signal-regulated kinase1/2 (ERK1/2) in conjunction with p38 kinase or c-jun N-terminal kinase (JNK). Complete inhibition of the potentiated t. *Biochem. Pharmacol.* 62, 1379. 2001-01-01 [PMID: 11709198] (WB, Rat)

M Kantorow et al. Identification and spatial analysis of metallothioneins expressed by the adult human lens. *Invest. Ophthalmol. Vis. Sci.* 42, 188. 2001-01-01 [PMID: 11133866] (WB, Human)

EA Olson et al. Immunomodulatory activities of extracellular metallothionein. I. Metallothionein effects on antibody production. *Toxicology* 85, 161 . 1993-01-01 [PMID: 8303711] (WB, Rabbit)



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Products Related to NBP1-97493-0.05mg

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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