

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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NBP1-97493-0.05mg

metallothionein Antibody (UC1MT) - BSA Free

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

| | |
|-------------------------|---|
| 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. |

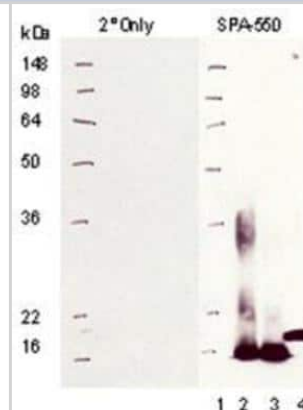
Product Application Details

| | |
|------------------------------|---|
| Applications | Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin |
| 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. |

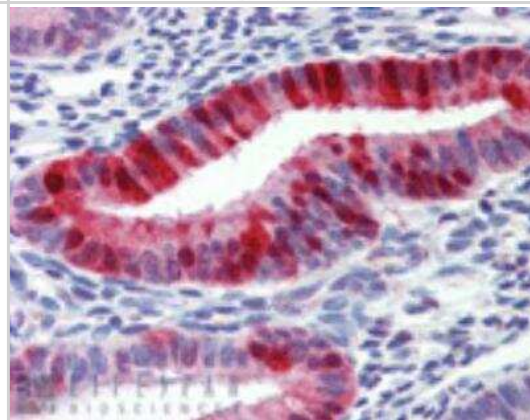


Images

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

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| 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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