# NME2 / nm23-H2 / NDPK-B (Suppressor of Metastasis) Antibody

Mouse Monoclonal Antibody [Clone NME2/6434]

| Catalog No | Format | Size |
|---|---|---|
| 4831-MSM4-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 4831-MSM4-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 4831-MSM4-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

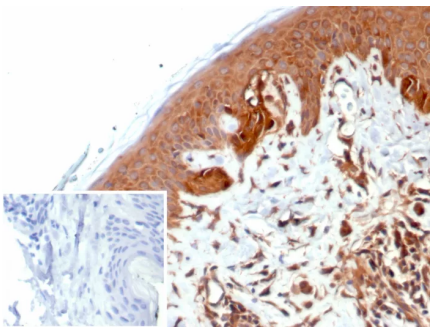
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

| | |
|---|---|
| **Clone** | NME2/6434 |
| **Gene Name** | NME2 |
| **Immunogen** | Recombinant full-length human NME2 protein |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG2 / Kappa |
| **Mol. Weight of Antigen** | 17kDa |
| **Cellular Localization** | Cytoplasm. Nucleus. |
| **Species Reactivity** | Human |
| **Positive Control** | 293T, MCF7 Ubiquitously expressed in all tissues. |

**Optimal dilution for a specific application should be determined.*

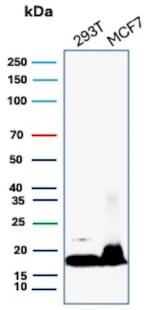
## Product Images for NME2 / nm23-H2 / NDPK-B (Suppressor of Metastasis) Antibody



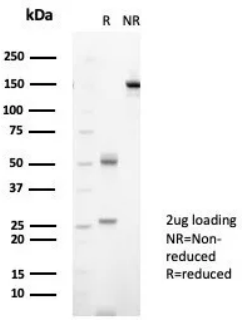
Formalin-fixed, paraffin-embedded human skin stained with NME2 / nm23-H2 Mouse Monoclonal Antibody (NME2/6434). Inset: PBS instead of primary antibody; secondary only negative control.




Analysis of Protein Array containing more than 19,000 full-length human proteinsusing NME2 / nm23-H2 / NDPK-B Monoclonal Antibody (NME2/6434). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.




Western blot analysis of 293T and MCF7 cell lysate using NME2 / nm23-H2 Mouse Monoclonal Antibody (NME2/6434).




SDS-PAGE Analysis of Purified NME2 / nm23-H2 Mouse Monoclonal Antibody (NME2/6434). Confirmation of Purity and Integrity of Antibody.

## Specificity & Comments

The nm23 gene, a potential suppressor of metastasis, was originally identified by differential hybridization between two murine melanoma sub-lines, one with a high and the second with a low metastatic capacity. Highly metastatic sub-lines exhibit much lower levels of nm23 than less metastatic cells. Based on sequence analysis, nm23 appears highly related to nucleotide diphosphate kinases (NDP). In humans, NDP kinases A and B are identical to two isotypes of human nm23 homologs, namely nm23-H1 and H2, respectively. nm23-H2 is identical in sequence to PuF, a transcription factor that binds to nuclease hypersensitive elements at positions 142 to 115 of the human c-Myc promotor.

## Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Research Areas

Immunology

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.