

## NME2 Antibody / Nucleoside diphosphate kinase B / NDKB [clone NME2/6435] (V4504)

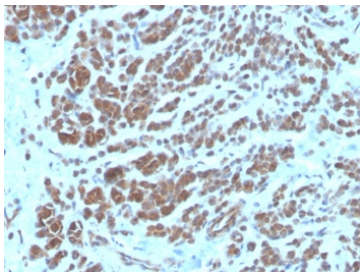
| Catalog No.    | Formulation                                                             | Size   |
|----------------|-------------------------------------------------------------------------|--------|
| V4504-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4504-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V4504SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

[Bulk quote request](#)

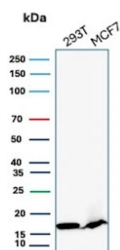
|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Availability       | 1-3 business days                                                                  |
| Species Reactivity | Human                                                                              |
| Format             | Purified                                                                           |
| Clonality          | Monoclonal (mouse origin)                                                          |
| Isotype            | Mouse IgG1, kappa                                                                  |
| Clone Name         | NME2/6435                                                                          |
| Purity             | Protein A/G affinity                                                               |
| UniProt            | P22392                                                                             |
| Localization       | Cytoplasm, Nucleus                                                                 |
| Applications       | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT<br>Western Blot : 2-4ug/ml |
| Limitations        | This NME2 antibody is available for research use only.                             |



Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using NME2 antibody (clone NME2/6435). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD&#39;s) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD&#39;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.



IHC staining of FFPE human breast carcinoma tissue with NME2 antibody (clone NME2/6435). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human 293T and MCF-7 cell lysate with NME2 antibody (clone NME2/6435). Predicted molecular weight ~17 kDa.

## Description

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 isoforms 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 promoter.

## Application Notes

Optimal dilution of the NME2 antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human protein was used as the immunogen for the NME2 antibody.

## Storage

Aliquot the NME2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.