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

Mouse Monoclonal Antibody [Clone NME2/12060]

| Catalog No | Format | Size |
|---|---|---|
| 4831-MSM9-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 4831-MSM9-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 4831-MSM9-P1ABX | Purified Ab WITHOUT BSA or 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 |

## Product Details

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|---|---|
| **Clone** | NME2/12060 |
| **Immunogen** | Recombinant full-length human NME2 protein |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG |
| **Mol. Weight of Antigen** | 17.3kDa |
| **Cellular Localization** | Cell projection, Cytoplasm, Lamellipodium, Nucleus, Perinuclear region, Ruffle |
| **Species Reactivity** | Human |
| **Positive Control** | Ubiquitously expressed |

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

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

### Specificity & Comments

Major role in the synthesis of nucleoside triphosphates other than ATP. The ATP gamma phosphate is transferred to the NDP beta phosphate via a ping-pong mechanism, using a phosphorylated active-site intermediate (By similarity). Negatively regulates Rho activity by interacting with AKAP13/LBC (PubMed:15249197). Acts as a transcriptional activator of the MYC gene; binds DNA non-specifically (PubMed:19435876, PubMed:8392752). Binds to both single-stranded guanine- and cytosine-rich strands within the nuclease hypersensitive element (NHE) III(1) region of the MYC gene promoter. Does not bind to duplex NHE III(1) (PubMed:19435876). Has G-quadruplex (G4) DNA-binding activity, which is independent of its nucleotide-binding and kinase activity. Binds both folded and unfolded G4 with similar low nanomolar affinities. Stabilizes folded G4s regardless of whether they are prefolded or not (PubMed:25679041). Exhibits histidine protein kinase activity (PubMed:20946858).

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A. 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.

### 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.