

## Rabbit anti-Human NME1 Monoclonal Antibody | anti-NME1 antibody

Recombinant Anti-NME1 Antibody, Rabbit Monoclonal

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA255440</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

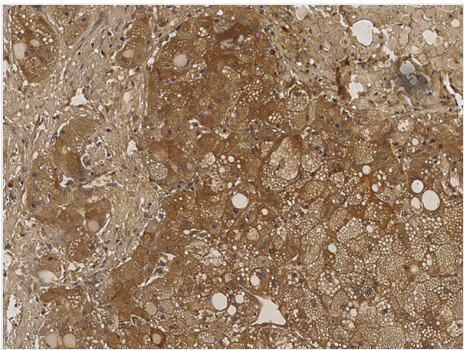
### PRODUCT SYNONYMS

NME1; Monoclonal Antibody; Recombinant Anti-NME1 Antibody; Rabbit Monoclonal; NME1/NDKA Antibody; Rabbit MAb; NME/NM23 nucleoside diphosphate kinase 1; Anti-AWD Antibody; Anti-GAAD Antibody; Anti-NB Antibody; Anti-NBS Antibody; Anti-NDKA Antibody; Anti-NDPK-A Antibody; Anti-NDPKA Antibody; Anti-NM23 Antibody; Anti-NM23-H1 Antibody; anti-NME1 antibody

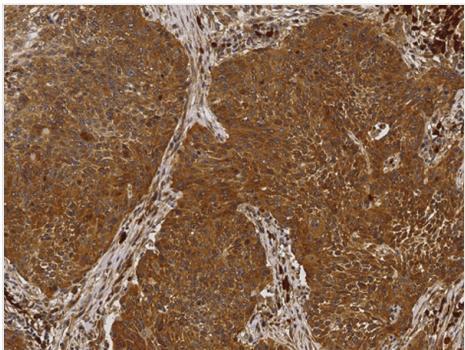
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                 |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                            |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                                                            |
| Clone Number                                   | 084                                                                                                                                                                                                                                                                   |
| Specificity                                    | Human NME1/NDKA                                                                                                                                                                                                                                                       |
| Purity/Purification                            | Protein A                                                                                                                                                                                                                                                             |
| Form/Format                                    | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-NME1 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                            |
| Antibody Type                                  | Recombinant Antibody                                                                                                                                                                                                                                                  |
| Immunogen                                      | Recombinant Human NME1/NDKA protein                                                                                                                                                                                                                                   |
| Conjugation                                    | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                    | This antibody was obtained from a rabbit immunized with purified, recombinant Human NME1/NDKA (rh NME1/NDKA).                                                                                                                                                         |
| Preparation and Storage                        | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

IMAGES



**IHC (Immunohistochemistry)**  
Immunochemical staining of human NME1 in human hepatoma with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



**IHC (Immunohistochemistry)**  
Immunochemical staining of human NME1 in human lung cancer with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-NME1 antibody</b> | NME1, also known as Nucleoside Diphosphate Kinase A (NDK-A), or NM23-H1, belongs to the NDK family. NM23-H1 is known to have a metastasis suppressive activity in many tumor cells. Recent studies have shown that the interacting proteins with NM23-H1 which mediate cell proliferation, may act as modulators of the metastasis suppressor activity. The interacting proteins with NM23-H1 can be classified into 3 groups. The first group of proteins can be classified as upstream kinases of NM23-H1 such as CKI and Aurora-A/STK15. The second group of proteins acts as downstream effectors for the regulation of specific gene transcriptions, GTP-binding protein functions, and signal transduction in the Erk signal cascade. The third group of proteins can be classified as bi-directionally influencing binding partners of NM23-H1. As a result, the interactions with NM23-H1 and binding partners have implications in the biochemical characterization involved in metastasis and tumorigenesis. NDKA is increased in human postmortem cerebrospinal fluid (CSF), a model of global brain insult, suggesting that measurement in CSF and, more importantly, in plasma may be useful as a biomarker of stroke. Additionally, NM23-H1 significantly reduces metastasis without effects on primary tumor size and was the first discovered metastasis suppressor gene. |
| <b>References</b>                                         | Allard L, et al. (2005) PARK7 and nucleoside diphosphate kinase A as plasma markers for the early diagnosis of stroke. Clin Chem. 51(11): 2043-51.Steeg PS, et al. (2008) Clinical-translational approaches to the Nm23-H1 metastasis suppressor. Clin Cancer Res. 14(16): 5006-12.Kim HD, et al. (2009) Regulators affecting the metastasis suppressor activity of Nm23-H1. Mol Cell Biochem. 329(1-2): 167-73.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4557797                                                                                                                                                                                                         |
| NCBI GeneID                      | 4830                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_000260.1                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_000269.2                                                                                                                                                                                                     |
| UniProt Accession #              | P15531; Q6FGK3; Q86XQ2; Q9UDJ6                                                                                                                                                                                  |
| Molecular Weight                 | 17,149 Da                                                                                                                                                                                                       |
| NCBI Official Full Name          | nucleoside diphosphate kinase A isoform b                                                                                                                                                                       |
| NCBI Official Synonym Full Names | NME/NM23 nucleoside diphosphate kinase 1                                                                                                                                                                        |
| NCBI Official Symbol             | NME1                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | NB; AWD; NBS; GAAD; NDKA; NM23; NDPKA; NDPK-A; NM23-H1                                                                                                                                                          |
| NCBI Protein Information         | nucleoside diphosphate kinase A; NDP kinase A; granzyme A-activated DNase; metastasis inhibition factor nm23; tumor metastatic process-associated protein; non-metastatic cells 1, protein (NM23A) expressed in |
| UniProt Protein Name             | Nucleoside diphosphate kinase A                                                                                                                                                                                 |

|                            |                                        |
|----------------------------|----------------------------------------|
| UniProt Gene Name          | NME1                                   |
| UniProt Synonym Gene Names | NDPKA; NM23; NDK A; NDP kinase A; GAAD |
| UniProt Entry Name         | NDKA_HUMAN                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/nme1-antibody-clone-084-immunohistochemistry-elisa/255440>