

Mouse anti-Human NME2 Monoclonal Antibody | anti-NME2 antibody

NME2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48941	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

NME2; Monoclonal Antibody; NME2 antibody; Non-metastatic cells 1; Nucleoside diphosphate kinase A; NDP kinase A; AWD; GAAD; NB; NBS; NDPK-A; NM23; NM23-H1; Non-metastatic cells 1 AWD; drosophila; homolog of; NDPKA; NM23-M1; Granzyme A activated DNase; GZMA activated DNase; Metastasis inhibition factor nm23; NDK A; NDP Kinase A; NM23 long variant; included; Nonmetastatic protein 23; NME1-NME2 spliced read-through transcript; protein (NM23A) expressed in; Nonmetastatic cells 1; protein expressed in; NME1; homolog 1; NM23H1B; Tumor metastatic process-associated protein.; anti-NME2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT2E3
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	152
Applicable Applications for anti-NME2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human NME2 (1-152aa) purified from E. coli
Clone Note	Anti-human NME2 mAb, clone AT2E3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human NME2 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of NME2 in HeLa cells. The cell was stained with ATGA0475 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)
The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NME2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: A549 cell lysate Lane 3.: MCF7 cell lysate Lane 4.: LnCap cell lysate The cell lysates (5ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NME2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: NME2 transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-NME2 antibody	NME2, also known as NM23B, is a heterodimeric protein functioning as a nucleoside diphosphate (NDP) kinase. NME1 and NME2 comprise the 152 amino acid A and B polypeptide chains of the NM23 enzyme, respectively. NME2 is identical to the beta subunit of human erythrocyte NDP kinase. NDP kinases are involved in the synthesis of nucleoside triphosphates, and NM23 may act in the regulation of signal transduction by complexing with G proteins, causing activation/inactivation of developmental pathways.
Product Categories/Family for anti-NME2 antibody	Signal Transduction
References	Munkonge FM., et al. (2009) J Biol Chem. 284 (39): 26978-87.; Treharne KJ., et al. (2009) FEBS Lett. 583 (17): 2789-92.

NCBI AND UNIPROT INFORMATION

NCBI GI #	66392227
NCBI GeneID	4831
NCBI Accession #	NP_001018149
NCBI GenBank Nucleotide #	NM_001018139.2
UniProt Accession #	P22392; Q1WM23; Q6LCT6; A8MWA3
Molecular Weight	30,137 Da
NCBI Official Full Name	nucleoside diphosphate kinase B isoform a
NCBI Official Synonym Full Names	NME/NM23 nucleoside diphosphate kinase 2
NCBI Official Symbol	NME2
NCBI Official Synonym Symbols	PUF; NDKB; NDPKB; NM23B; NDPK-B; NM23-H2
NCBI Protein Information	nucleoside diphosphate kinase B
UniProt Protein Name	Nucleoside diphosphate kinase B
UniProt Gene Name	NME2
UniProt Synonym Gene Names	NM23B; NDK B; NDP kinase B

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.