

Rabbit NME2 Polyclonal Antibody | anti-NME2 antibody

NME2 Antibody (N-term)

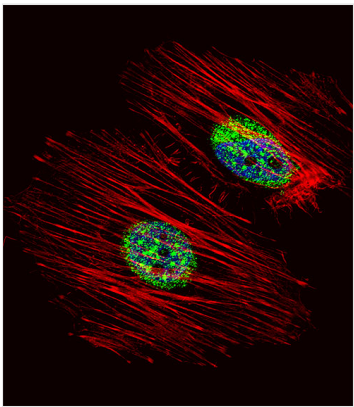
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285217	Rabbit	Human, mouse, rat	Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

NME2; Polyclonal Antibody; NME2 Antibody (N-term); Nucleoside diphosphate kinase B; NDK B; NDP kinase B; C-myc purine-binding transcription factor PUF; Histidine protein kinase NDKB; nm23-H2; NM23B; anti-NME2 antibody

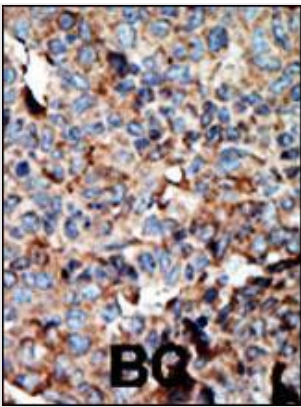
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NME2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 25-54 amino acids from the N-terminal region of human NME2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	25-54
Sequence Length	267
Applicable Applications for anti-NME2 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



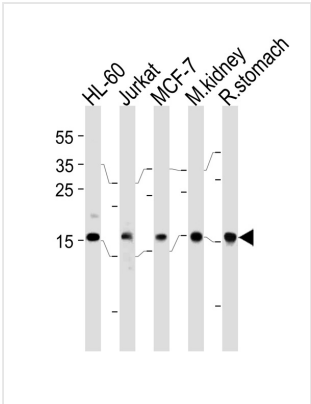
IF (Immunofluorescence)

Fluorescent confocal image of HeLa cell stained with NME2 Antibody (N-term). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with NME2 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). NME2 immunoreactivity is localized to Cytoplasm and Nucleus significantly.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

NME2 Antibody (F40) western blot analysis in HL-60, Jurkat, MCF-7 cell line, mouse kidney and rat stomach tissue lysates (35ug/lane). This demonstrates the NME2 antibody detected the NME2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-NME2 antibody	NM2 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. NEM2 has been identified as a putative tumor suppressor. High expression of mouse NME2 is detected in heart, liver, and kidney, with moderate expression in skeletal muscle, and negligible expression in other mouse tissues examined.
Product Categories/Family for anti-NME2 antibody	Crown Antibodies; Cancer; Metabolism; Neuroscience; Signal Transduction
References	Munier, A., et al., Exp. Cell Res. 289(2):295-306 (2003). Kim, S.H., et al., Biochem. Biophys. Res. Commun. 296(4):970-975 (2002). Okabe-Kado, J., et al., Leuk. Res. 26(6):569-576 (2002). Godfried, M.B., et al., Oncogene 21(13):2097-2101 (2002). Postel, E.H., et al., Biochemistry 41(20):6330-6337 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	66392203
NCBI GeneID	654364
NCBI Accession #	NP_001018146.1; NP_001018147.1; NP_001018148.1; NP_001018149.1; NP_002503.1
NCBI GenBank Nucleotide #	NM_001018136.2
UniProt Accession #	P22392; Q1WM23; Q6LCT6; A8MWA3
Molecular Weight	17298
NCBI Official Full Name	NME1-NME2 protein
NCBI Official Synonym Full Names	NME1-NME2 readthrough
NCBI Official Symbol	NME1-NME2
NCBI Official Synonym Symbols	NMELV; NM23-LV
NCBI Protein Information	NME1-NME2 protein
UniProt Protein Name	Nucleoside diphosphate kinase B
UniProt Gene Name	NME2
UniProt Synonym Gene Names	NM23B; NDK B; NDP kinase B
UniProt Entry Name	NDKB_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/nme2-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/285217>