

Product Name: KD-Validated NME2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVAb01356**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2,000-1:10,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 17.3kDa

Antigen Information

Gene Name	NME2
Alternative Names	NME2; NME/NM23 Nucleoside Diphosphate Kinase 2; NM23-H2; NDPKB; Non-Metastatic Cells 2, Protein (NM23B) Expressed In; C-Myc Purine-Binding Transcription Factor PUF; Nucleoside Diphosphate Kinase B; Histidine Protein Kinase NDKB; NDP Kinase B; EC 2.7.4.6; NM23B; Epididymis Secretory Sperm Binding Protein Li 155an; Non-Metastatic Cells 2, Protein (NM23) Expressed In; Nucleotide Diphosphate Kinase B; C-Myc Transcription Factor; HEL-S-155an; EC 2.7.13.3; Nm23-H2; NDPK-B; NDK B; NDKB; PUF
Gene ID	4831.0
SwissProt ID	P22392
Immunogen	A synthesized peptide derived from human NME2

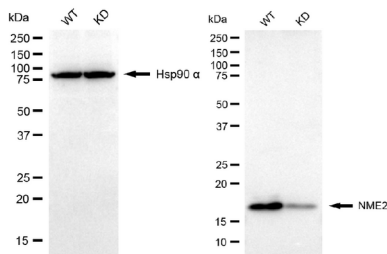
Background

Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of 'A' (encoded by NME1) and 'B' (encoded by this gene) isoforms. Multiple alternatively spliced transcript variants have been found for this gene. Read-through transcription from the neighboring upstream gene (NME1) generates naturally-occurring transcripts (NME1-NME2) that encode a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq, Nov 2010]

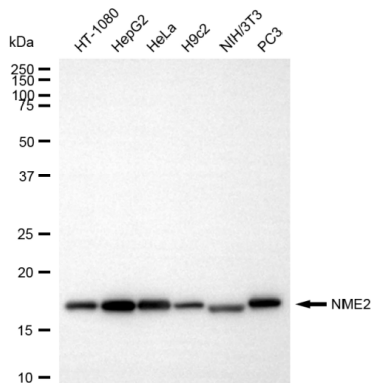
Research Area

Signal Transduction, Neuroscience, Cancer, Metabolism

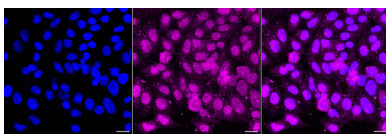
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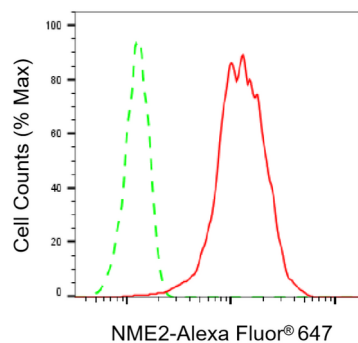
Western blotting analysis using NME2 antibody (KVA01356). NME2 expression in wild type (WT) and NME2 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NME2 antibody (KVA01356, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using NME2 antibody (KVA01356). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NME2 antibody (KVA01356, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with NME2 antibody (KVA01356, 1:1,000). Nuclei were stained blue with DAPI; NME2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of NME2 expression in HepG2 cells using NME2 antibody (KVA01356, 1:2,000). Green, isotype control; red, NME2.