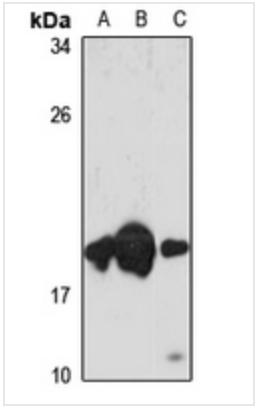
nm23-H2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	nm23-H2, Polyclonal Antibody
Full Product Name	Anti-nm23-H2 Antibody
Product Gene Name	anti-nm23-H2 antibody
Product Synonym Gene Name	NME2
Product Synonym Names	NM23B; Nucleoside diphosphate kinase B; NDK B; NDP kinase B; C-myc purine-binding transcription factor PUF; Histidine protein kinase NDKB; nm23-H2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of nm23-H2 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	17,298 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (49230897..49249105). Location: 17q21.3
OMIM	156491
3D Structure	ModBase 3D Structure for P22392
Immunogen	Recombinant fusion protein of human nm23-H2. The exact sequence is proprietary.
Applications Tested/Suitable for anti-nm23-H2 antibody	Western Blot (WB)
Application Notes for anti-nm23-H2 antibody	WB: 1:500-1:2000
Related Product Information for anti-nm23-H2 antibody	MBS8307455 is an antibody targeting nm23-H2. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to nm23-H2
Other Notes	Small volumes of anti-nm23-H2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-nm23-H2 antibody
Western blot analysis of nm23-H2 expression in OVCAR3 (A), mouse kidney (B), rat liver (C) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for nm23-H2. It may not necessarily be applicable to this product.

NCBI GI #	66392203
NCBI GeneID	654364
NCBI Accession #	NP_001018146.1
UniProt Primary Accession #	P22392
UniProt Secondary Accession #	Q01768; P19804
GenBank Nucleotide #	NM_001018136.2
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
UniProt Protein Name	Nucleoside diphosphate kinase B
UniProt Synonym Protein Names	C-myc purine-binding transcription factor PUF; Histidine protein kinase NDKB (EC:2.7.13.3); nm23-H2
UniProt Gene Name	NME2
UniProt Synonym Gene Names	NM23B; NDK B; NDP kinase B
UniProt Entry Name	NDKB_HUMAN
NCBI Protein Information	NME1-NME2 protein; NME1-NME2 readthrough transcript
NCBI Summary for nm23-H2	This locus represents naturally occurring read-through transcription between the neighboring NME1 and NME2 genes. The significance of this read-through transcription and the function of the resulting protein product have not yet been determined. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Nov 2010]

UniProt Comments for nm23-H2	NME2: Major role in the synthesis of nucleoside triphosphates other than ATP. Negatively regulates Rho activity by interacting with AKAP13/LBC. Acts as a transcriptional activator of the MYC gene; binds DNA non-specifically (PubMed:8392752). Exhibits histidine protein kinase activity. Belongs to the NDK family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Kinase, other; Nucleotide Metabolism - pyrimidine; EC 2.7.13.3; Nucleotide Metabolism - purine; Nuclear receptor co-regulator; EC 2.7.4.6; Kinase, nucleoside diphosphate; Other group; NDK family Chromosomal Location of Human Ortholog: 17q21.3 Cellular Component: ruffle; centrosome; focal adhesion; membrane; mitochondrion; perinuclear region of cytoplasm; lamellipodium; cytoplasm; intermediate filament; cytosol; nucleus Molecular Function: gamma-tubulin binding; protein binding; protein histidine kinase activity; metal ion binding; nucleoside diphosphate kinase activity; intermediate filament binding; protein kinase binding; transcription factor activity; ATP binding; single-stranded DNA binding Biological Process: integrin-mediated signaling pathway; GTP biosynthetic process; peptidyl-histidine phosphorylation; response to cAMP; transcription, DNA-dependent; nucleobase, nucleoside and nucleotide interconversion; nucleobase, nucleoside and nucleotide metabolic process; negative regulation of myeloid leukocyte differentiation; UTP biosynthetic process; hippocampus development; nucleoside diphosphate phosphorylation; response to testosterone stimulus; CTP biosynthetic process; regulation of transcription, DNA-dependent; pyrimidine nucleotide metabolic process; nucleoside triphosphate biosynthetic process; positive regulation of transcription from RNA polymerase II promoter; cell adhesion; positive regulation of epithelial cell proliferation; regulation of epidermis development; response to amine stimulus; positive regulation of keratinocyte differentiation; purine nucleotide metabolic process; negative regulation of apoptosis
Research Articles on nm23-H2	**1.** Observational study of gene-disease association. (HuGE Navigator)
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