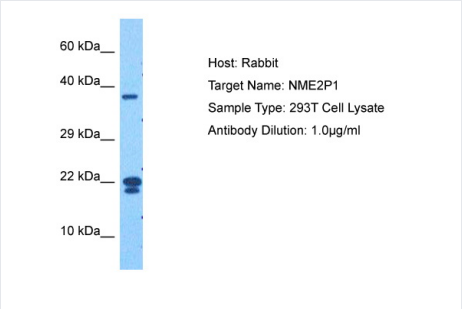
NME2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NME2, Polyclonal Antibody
Full Product Name	NME2 Antibody - middle region
Product Gene Name	anti-NME2 antibody
Product Synonym Gene Name	PUF; NDKB; NDPKB; NM23B; NDPK-B; NM23-H2
Immunogen Sequence	Synthetic peptide located within the following region: VAMVWEGLNV VKTGRVMLGE TNPADSKPGT IRGDFCIQVG RNIIHGSDSV
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 23% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	NME2 peptide (MBS3245876) is used for blocking the activity of NME2 antibody (MBS3221087)
Molecular Weight	29 kDa
OMIM	156491
3D Structure	ModBase 3D Structure for P22392
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human NME2
Product Categories/Family for anti-NME2 antibody	Polyclonal
Applications Tested/Suitable for anti-NME2 antibody	Western Blot (WB)
Related Product Information for anti-NME2 antibody	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.
Other Notes	Small volumes of anti-NME2 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.
Searchable Terms for NME2 purchase	MBS3221087 is an antibody targeting NME2. Also known as NME2 Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NME2 antibody
Host: RabbitTarget Name: NME2P1Sample Tissue: Human 293T Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NME2. It may not necessarily be applicable to this product.

NCBI GI #	66392203
NCBI GeneID	654364
NCBI Accession #	NP_001018146.1
UniProt Primary Accession #	P22392
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
NCBI Summary for NME2	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 NME2	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 NME2	**1.** Observational study of gene-disease association. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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