

**NME2 Antibody**  
**Rabbit mAb**  
**Catalog # AP92613****Specification**

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**NME2 Antibody - Product Information**

Application	WB, IHC, FC, ICC
Primary Accession	<a href="#">P22392</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
C myc purine binding transcription factor PUF; MGC2212; NDKB; NDP kinase B; NDPKB; NM23B; Nucleoside diphosphate kinase B; PUF;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	17298 Da

**NME2 Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human NME2
Description	Major role in the synthesis of nucleoside triphosphates other than ATP. Negatively regulates Rho activity by interacting with AKAP13/LBC.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**NME2 Antibody - Protein Information****Name** NME2**Synonyms** NM23B**Function**

Major role in the synthesis of nucleoside triphosphates other than ATP. The ATP gamma phosphate is transferred to the NDP beta phosphate via a ping-pong mechanism, using a phosphorylated active-site intermediate (By similarity). Negatively regulates Rho activity by interacting with AKAP13/LBC (PubMed:<a href="http://www.uniprot.org/citations/15249197" target="\_blank">15249197</a>). Acts as a transcriptional activator of the MYC gene; binds DNA

non-specifically (PubMed:<a href="http://www.uniprot.org/citations/19435876" target="\_blank">19435876</a>, PubMed:<a href="http://www.uniprot.org/citations/8392752" target="\_blank">8392752</a>). Binds to both single-stranded guanine- and cytosine-rich strands within the nuclease hypersensitive element (NHE) III(1) region of the MYC gene promoter. Does not bind to duplex NHE III(1) (PubMed:<a href="http://www.uniprot.org/citations/19435876" target="\_blank">19435876</a>). Has G-quadruplex (G4) DNA-binding activity, which is independent of its nucleotide-binding and kinase activity. Binds both folded and unfolded G4 with similar low nanomolar affinities. Stabilizes folded G4s regardless of whether they are prefolded or not (PubMed:<a href="http://www.uniprot.org/citations/25679041" target="\_blank">25679041</a>). Exhibits histidine protein kinase activity (PubMed:<a href="http://www.uniprot.org/citations/20946858" target="\_blank">20946858</a>).

### Cellular Location

Cytoplasm. Cell projection, lamellipodium. Cell projection, ruffle. Note=Colocalizes with ITGB1 and ITGB1BP1 at the edge or peripheral ruffles and lamellipodia during the early stages of cell spreading on fibronectin or collagen but not on vitronectin or laminin substrates [Isoform 3]: Cytoplasm. Cytoplasm, perinuclear region. Nucleus

### Tissue Location

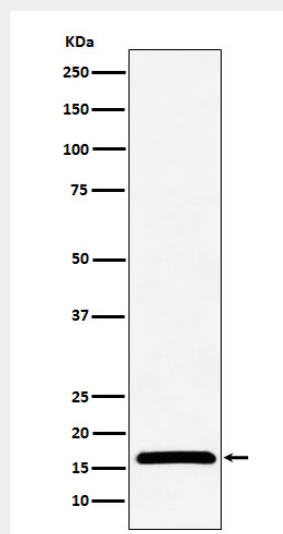
[Isoform 1]: Ubiquitously expressed.

## NME2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## NME2 Antibody - Images



Western blot analysis of NME2 expression in LnCaP cell lysate.