

**NME2 Rabbit mAb**  
**Catalog # AP76619****Specification**

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**NME2 Rabbit mAb - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P22392</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	17298

**NME2 Rabbit mAb - Additional Information****Gene ID** 4831**Other Names**  
NME2**Dilution**  
WB~~1/500-1/1000  
IHC-P~~N/A**Format**  
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**  
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**NME2 Rabbit mAb - 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: [15249197](http://www.uniprot.org/citations/15249197)). Acts as a transcriptional activator of the MYC gene; binds DNA non-specifically (PubMed: [19435876](http://www.uniprot.org/citations/19435876), PubMed: [8392752](http://www.uniprot.org/citations/8392752)). 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: [19435876](http://www.uniprot.org/citations/19435876)). 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 Rabbit mAb - 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 Rabbit mAb - Images



