

# NME2 Rabbit mAb

Catalog # AP78492

## Product Information

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<b>Application</b>	WB, IHC-P, IF, FC, ICC
<b>Primary Accession</b>	<a href="#">P22392</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human NME2
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	17298

## Additional Information

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<b>Gene ID</b>	4831
<b>Other Names</b>	NME2
<b>Dilution</b>	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50 ICC~~N/A
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	NME2
<b>Synonyms</b>	NM23B
<b>Function</b>	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="#">15249197</a> ). Acts as a transcriptional activator of the MYC gene; binds DNA non-specifically (PubMed: <a href="#">19435876</a> , PubMed: <a href="#">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="#">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:[25679041](#)). Exhibits histidine protein kinase activity (PubMed:[20946858](#)).

### Cellular Location

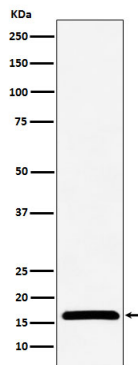
Cytoplasm. Cell projection, lamellipodium. Cell projection, ruffle.  
Note=Colocalizes with ITGB1 and ITGB1BP1 at the edge or peripheral ruffles and lamellipodia during the early stages of cell spreading on fibronectin or collagen but not on vitronectin or laminin substrates [Isoform 3]: Cytoplasm. Cytoplasm,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

### Tissue Location

[Isoform 1]: Ubiquitously expressed.

## Images

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