

**Goat Anti-NME1 Antibody (C Terminus)**  
**Purified Goat Polyclonal Antibody**  
**Catalog # AF4187a**

**Specification**

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**Goat Anti-NME1 Antibody (C Terminus) - Product Information**

Application	WB
Primary Accession	<a href="#">P15531</a>
Other Accession	<a href="#">NP_937818.1</a> , <a href="#">NP_000260.1</a>
Reactivity	Human
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5
Calculated MW	17149

**Goat Anti-NME1 Antibody (C Terminus) - Additional Information**

**Gene ID** 4830

**Other Names**

NME1; AWD; GAAD; NB; NBS; NDPK-A; NDPKA; NM23; NM23-H1; non-metastatic cells 1, protein (NM23A) expressed in; NDP kinase A; OTTHUMP00000174772

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

Peptide with sequence DYTSCAQNWIYE, from the C Terminus of the protein sequence according to [NP\\_937818.1](#); [NP\\_000260.1](#).

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-NME1 Antibody (C Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-NME1 Antibody (C Terminus) - Protein Information**

**Name** NME1

**Synonyms** NDPKA, NM23

**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. Possesses nucleoside-diphosphate kinase, serine/threonine-specific protein kinase, geranyl and farnesyl pyrophosphate kinase, histidine protein kinase and 3'-5' exonuclease activities. Involved in cell proliferation, differentiation and development, signal transduction, G protein-coupled receptor endocytosis, and gene expression. Required for neural development including neural patterning and cell fate determination. During GZMA- mediated cell death, works in concert with TREX1. NME1 nicks one strand of DNA and TREX1 removes bases from the free 3' end to enhance DNA damage and prevent DNA end reannealing and rapid repair.

#### Cellular Location

Cytoplasm. Nucleus. Note=Cell-cycle dependent nuclear localization which can be induced by interaction with Epstein-barr viral proteins or by degradation of the SET complex by GzmA

#### Tissue Location

Isoform 1 is expressed in heart, brain, placenta, lung, liver, skeletal muscle, pancreas, spleen and thymus. Expressed in lung carcinoma cell lines but not in normal lung tissues. Isoform 2 is ubiquitously expressed and its expression is also related to tumor differentiation.

### Goat Anti-NME1 Antibody (C Terminus) - 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](#)

### Goat Anti-NME1 Antibody (C Terminus) - Images



AF4187a (0.01  $\mu\text{g/ml}$ ) staining of A549 (A) and HeLa (B) lysates (35  $\mu\text{g}$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-NME1 Antibody (C Terminus) - References

Composite three-marker assay for early detection of kidney cancer. Su Kim D, Choi YD, Moon M, Kang S, Lim JB, Kim KM, Park KM, Cho NH. Su Kim D, Choi YD, Moon M, Kang S, Lim JB, Kim KM, Park KM, Cho NH. Su Kim D, Choi YD, Moon M, Kang S, Lim JB, Kim KM, Park KM, Cho NH. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research*, cosponsored by the American Society of Preventive Oncology 2013 Mar 22 (3): 390-8.