

Anti-NME1 / NM23 Antibody (aa3-52)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18103**Specification**

Anti-NME1 / NM23 Antibody (aa3-52) - Product Information

Application	WB, IHC-P, E
Primary Accession	P15531
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	17149

Anti-NME1 / NM23 Antibody (aa3-52) - Additional Information**Gene ID** 4830**Alias Symbol** **NME1****Other Names**

NME1, AWD, NDKA, NB, NDK A, NM23-H1, NDP kinase A, NDPK-A, NDPKA, GAAD, Granzyme A-activated DNase, NBS, NM23

Target/Specificity

NM23-H1 antibody detects endogenous levels of NM23-H1.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-NME1 / NM23 Antibody (aa3-52) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-NME1 / NM23 Antibody (aa3-52) - 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.

Anti-NME1 / NM23 Antibody (aa3-52) - 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](#)

Anti-NME1 / NM23 Antibody (aa3-52) - Images