

## NME1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant NME1. Catalog # AT3065a

### **Specification**

## NME1 Antibody (monoclonal) (M02) - Product Information

**Application** WB, IHC, IF, IP, E Primary Accession P15531 NM 000269 Other Accession Reactivity Human Host mouse Clonality **Monoclonal** Isotype IgG1 Kappa Calculated MW 17149

### NME1 Antibody (monoclonal) (M02) - Additional Information

#### **Gene ID 4830**

### **Other Names**

Nucleoside diphosphate kinase A, NDK A, NDP kinase A, Granzyme A-activated DNase, GAAD, Metastasis inhibition factor nm23, NM23-H1, Tumor metastatic process-associated protein, NME1, NDPKA, NM23

## Target/Specificity

NME1 (NP\_000260, 43 a.a.  $\sim$  152 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### **Dilution**

WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 IP~~N/A E~~N/A

#### Format

Clear, colorless solution in phosphate buffered saline, pH 7.2.

### **Storage**

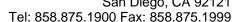
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## **Precautions**

NME1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

### NME1 Antibody (monoclonal) (M02) - Protocols



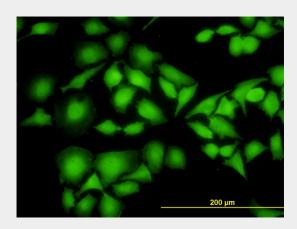




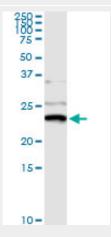
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# NME1 Antibody (monoclonal) (M02) - Images

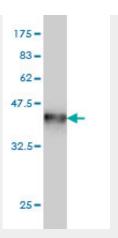


Immunofluorescence of monoclonal antibody to NME1 on HeLa cell. [antibody concentration 10 ug/ml]

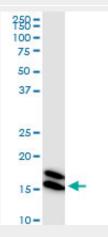


Immunoprecipitation of NME1 transfected lysate using anti-NME1 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with NME1 MaxPab rabbit polyclonal antibody.





Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .

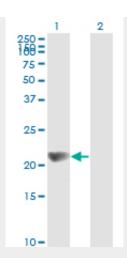


NME1 monoclonal antibody (M02), clone 1D7. Western Blot analysis of NME1 expression in HeLa((Cat # AT3065a))



NME1 monoclonal antibody (M02), clone 1D7. Western Blot analysis of NME1 expression in different cell lines.

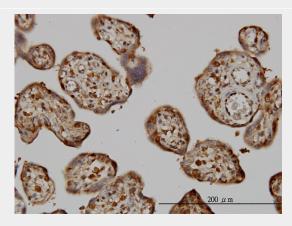




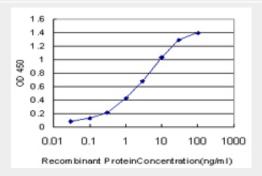
Western Blot analysis of NME1 expression in transfected 293T cell line by NME1 monoclonal antibody (M02), clone 1D7.

Lane 1: NME1 transfected lysate(19.7 KDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to NME1 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged NME1 is approximately 0.1ng/ml as a capture antibody.

### NME1 Antibody (monoclonal) (M02) - Background

This gene (NME1) was identified because of its reduced mRNA transcript levels in highly metastatic cells. Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of 'A' (encoded by this gene) and 'B' (encoded by NME2) isoforms. Mutations in this gene have been identified in aggressive neuroblastomas. Two transcript variants encoding different isoforms have been found







for this gene. Co-transcription of this gene and the neighboring downstream gene (NME2) generates naturally-occurring transcripts (NME1-NME2), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product.

# NME1 Antibody (monoclonal) (M02) - References

1.Identification of Antigenic Proteins Associated with Trichloroethylene-Induced Autoimmune Disease by Serological Proteome Analysis.Liu J, Xing X, Huang H, Jiang Y, He H, Xu X, Yuan J, Zhou L, Yang L, Zhuang Z.Toxicol Appl Pharmacol. 2009 Nov 1;240(3):393-400. Epub 2009 Aug 6.