

NME1 monoclonal antibody (M02), clone 1D7

Catalog # H00004830-M02

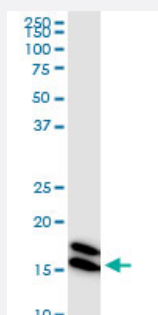
Size 100 ug

Applications



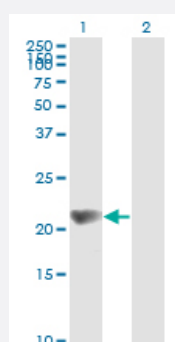
Western Blot (Cell lysate)

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



Western Blot (Cell lysate)

NME1 monoclonal antibody (M02), clone 1D7. Western Blot analysis of NME1 expression in HeLa(Cat # L013V1).

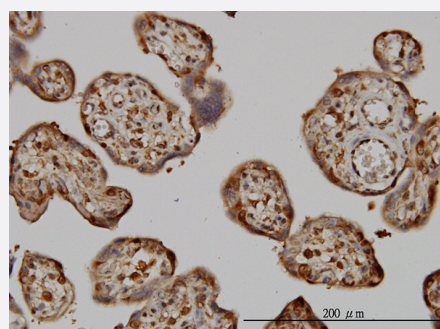


Western Blot (Transfected lysate)

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

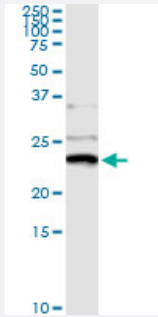
Lane 1: NME1 transfected lysate(19.7 KDa).

Lane 2: Non-transfected lysate.



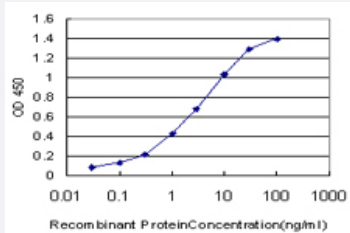
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



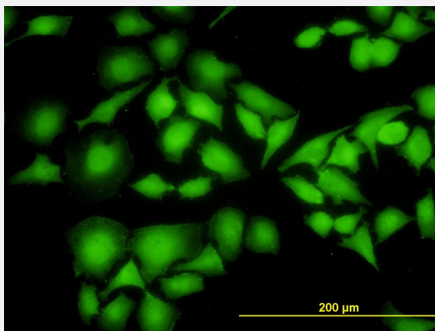
Immunoprecipitation

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



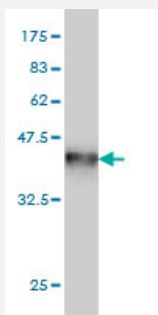
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant NME1.

Immunogen

NME1 (NP_000260, 43 a.a. ~ 152 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	ASEDLLKEHYVDLKDRPFFAGLVKYMHS GPVVAMVWEGLNVVKTRV MLGETNPADSKPGTIR GDFCIQVGRNIHGS DSVESAEKEIGLWFHPEELVDYTSCAQNWIE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (95)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

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

[Protocol Download](#)

- Western Blot (Cell lysate)

NME1 monoclonal antibody (M02), clone 1D7. Western Blot analysis of NME1 expression in HeLa(Cat # L013V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

[Protocol Download](#)

- Immunoprecipitation

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — NME1

Entrez GeneID	4830
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GeneBank Accession#	NM_000269
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Protein Accession#	NP_000260
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Gene Name	NME1
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Gene Alias	AWD, GAAD, NB, NBS, NDPK-A, NDPKA, NM23, NM23-H1
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Gene Description	non-metastatic cells 1, protein (NM23A) expressed in
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Omim ID	156490 256700
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Gene Ontology	Hyperlink
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Gene Summary

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. [provided by RefSeq]

Other Designations

NDP kinase A|OTTHUMP00000174772

Publication Reference

- [A transcriptome-based protein network that identifies new therapeutic targets in colorectal cancer.](#)

Durand S, Trillet K, Uguen A, Saint-Pierre A, Le Jossic-Corcos C, Corcos L.

BMC Genomics 2017 Sep; 18(1):758.

Application: IHC-P, WB-Ti, Human, Human colon cancer

- [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.

Toxicology and Applied Pharmacology 2009 Nov; 240(3):393.

Application: WB-Ce, Human, TCE-treated L-02 liver cells

Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Pyrimidine metabolism](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Endometrial Neoplasms](#)

- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Neoplasm Metastasis](#)