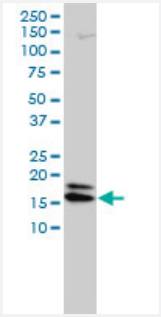
NME2 monoclonal antibody (M01), clone 4B7-3F12

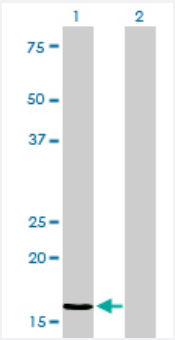
Catalog # H00004831-M01 Size 100 ug

Applications



Western Blot (Cell lysate)

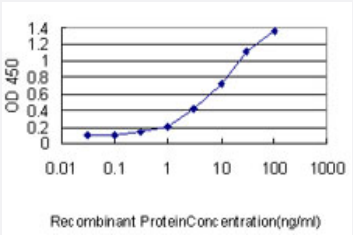
NME2 monoclonal antibody (M01), clone 4B7-3F12 Western Blot analysis of NME2 expression in Jurkat (Cat # L017V1).



Western Blot (Transfected lysate)

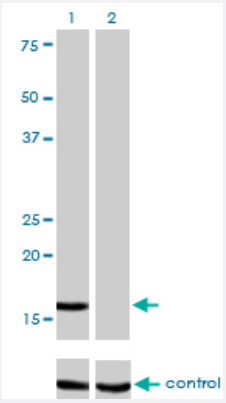
Western Blot analysis of NME2 expression in transfected 293T cell line by NME2 monoclonal antibody (M01), clone 4B7-3F12.

Lane 1: NME2 transfected lysate(17.3 KDa).
Lane 2: Non-transfected lysate.



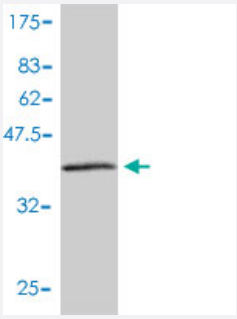
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NME2 is approximately 0.03ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of NME2 over-expressed 293 cell line, cotransfected with NME2 Validated Chimera RNAi (Cat # H00004831-R11V) (Lane 2) or non-transfected control (Lane 1). Blot probed with NME2 monoclonal antibody (M01), clone 4B7-3F12 (Cat # H00004831-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (42.46 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant NME2.
Immunogen	NME2 (AAH02476, 1 a.a. ~ 152 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MANLERTFIAIKPDGVQRGLVGEIIKRFEQKGFRLVAMKFLRASEEHLKQHYIDLKDRPFFPGLVKY MNSGPVVAMVWEGLNVVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGSDSVKSAEKEISL WFKPEELVDYKSCAHDWVYE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (42.46 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)

  NME2 monoclonal antibody (M01), clone 4B7-3F12 Western Blot analysis of NME2 expression in Jurkat (Cat # L017V1).

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of NME2 expression in transfected 293T cell line by NME2 monoclonal antibody (M01), clone 4B7-3F12.

  Lane 1: NME2 transfected lysate(17.3 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged NME2 is approximately 0.03ng/ml as a capture antibody.

  Protocol Download

- ELISA

- RNAi Knockdown (Antibody validated)

  Western blot analysis of NME2 over-expressed 293 cell line, cotransfected with NME2 Validated Chimera RNAi (Cat # H00004831-R11V) (Lane 2) or non-transfected control (Lane 1). Blot probed with NME2 monoclonal antibody (M01), clone 4B7-3F12 (Cat # H00004831-M01). GAPDH (36.1 kDa) used as specificity and loading control.

  Protocol Download

Gene Info — NME2

Entrez GeneID	4831
GeneBank Accession#	BC002476
Protein Accession#	AAH02476
Gene Name	NME2

Gene Alias	MGC111212, NDPK-B, NDPKB, NM23-H2, NM23B, puf
Gene Description	non-metastatic cells 2, protein (NM23B) expressed in
Omim ID	156491
Gene Ontology	Hyperlink
Gene Summary	Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of 'A' (encoded by NME1) and 'B' (encoded by this gene) isoforms. Multiple alternatively spliced transcript variants encoding the same isoform have been found for this gene. Co-transcription of this gene and the neighboring upstream gene (NME1) generates naturally-occurring transcripts (NME1-NME2) which encode a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq
Other Designations	NDP kinase B|OTTHUMP00000174727|OTTHUMP00000174728|OTTHUMP00000174774|OTTHUMP00000174775|OTTHUMP00000174776|c-myc transcription factor|non-metastatic cells 2, protein (NM23) expressed in

Pathway

- Metabolic pathways
- Purine metabolism
- Pyrimidine metabolism