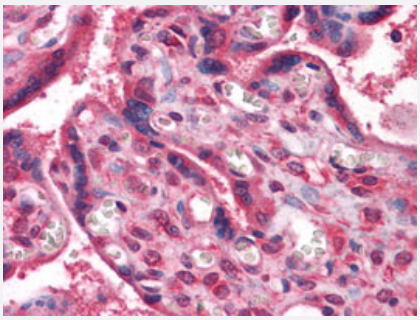
NME1 monoclonal antibody, clone 4B2

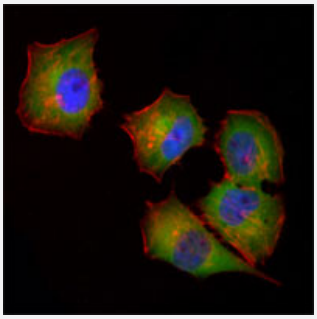
Catalog # MAB10833 Size 100 uL

Applications



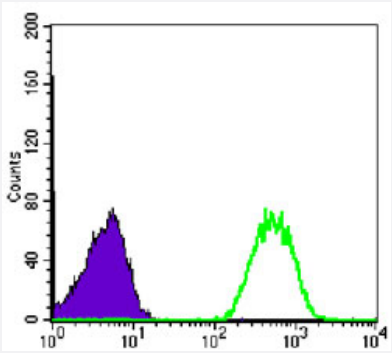
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human placenta tissues using NME1 monoclonal antibody, clone 4B2 (Cat # MAB10833).



Immunofluorescence

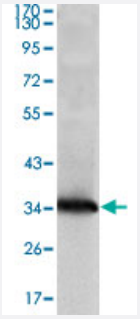
Immunofluorescence analysis of HeLa cells using NME1 monoclonal antibody, clone 4B2 (Cat # MAB10833) (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometry

Flow cytometric analysis of Jurkat cells using NME1 monoclonal antibody, clone 4B2 (Cat # MAB10833) (green) and negative control (purple).

Copyright © 2023 Abnova Corporation. All Rights Reserved.



Western Blot (Transfected lysate)

Western blot analysis using NME1 monoclonal antibody, clone 4B2 (Cat # MAB10833) against NME1-hIgGFc transfected HEK293 cell lysate.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant NME1.
Immunogen	Recombinant protein corresponding to human NME1.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

  Immunohistochemical analysis of paraffin-embedded human placenta tissues using NME1 monoclonal antibody, clone 4B2 (Cat # MAB10833).

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Immunofluorescence

  Immunofluorescence analysis of HeLa cells using NME1 monoclonal antibody, clone 4B2 (Cat # MAB10833) (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

- Flow Cytometry

  Flow cytometric analysis of Jurkat cells using NME1 monoclonal antibody, clone 4B2 (Cat # MAB10833) (green) and negative control (purple).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Transfected lysate)

  Western blot analysis using NME1 monoclonal antibody, clone 4B2 (Cat # MAB10833) against NME1-hIgGFc transfected HEK293 cell lysate.

Gene Info — NME1

Entrez GeneID	4830
Gene Name	NME1
Gene Alias	AWD, GAAD, NB, NBS, NDPK-A, NDPKA, NM23, NM23-H1
Gene Description	non-metastatic cells 1, protein (NM23A) expressed in
Omim ID	156490 256700
Gene Ontology	Hyperlink
Gene Summary	This gene (NME1) was identified because of its reduced mRNA transcript levels in highly metasta tic cells. Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of 'A' (encoded b y this gene) and 'B' (encoded by NME2) isoforms. Mutations in this gene have been identified in a ggressive neuroblastomas. Two transcript variants encoding different isoforms have been found f or this gene. Co-transcription of this gene and the neighboring downstream gene (NME2) generat es naturally-occurring transcripts (NME1-NME2), which encodes a fusion protein comprised of se quence sharing identity with each individual gene product. [provided by RefSeq
Other Designations	NDP kinase A|OTTHUMP00000174772

Pathway

- Metabolic pathways
- Purine metabolism

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Pyrimidine metabolism

Disease

- Breast cancer
- Breast Neoplasms
- Carcinoma
- Endometrial Neoplasms
- Genetic Predisposition to Disease
- Lung Neoplasms
- Neoplasm Metastasis

Copyright © 2023 Abnova Corporation. All Rights Reserved.