

For Research Use Only

NME1 Polyclonal antibody

Catalog Number: 11086-2-AP

13 Publications



Basic Information

Catalog Number:

11086-2-AP

Concentration:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1548

GenBank Accession Number:

BC018994

GeneID (NCBI):

4830

UNIPROT ID:

P15531

Full Name:

non-metastatic cells 1, protein (NM23A) expressed in

Calculated MW:

17 kDa

Observed MW:

16-20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:250-1:1000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, CoIP, ChIP

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, multi-cells

IP : A549 cells,

IHC : human liver tissue, human pancreas cancer tissue

IF/ICC : A549 cells, MCF-7 cells

Background Information

NME1 is also named as NDPKA(Nucleoside diphosphate kinase A), NM23(Metastasis inhibition factor nm23),GAAD(Granzyme A-activated DNase) and belongs to the NDK family.It is a major role in the synthesis of nucleoside triphosphates other than ATP and required for neural development including neural patterning and cell fate determination.It has 3 isoforms produced by alternative splicing.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------------|-----------|---------------|-------------|
| Anna Bianchi-Smiraglia | 34667203 | Nat Commun | WB |
| Marianna Naki | 35563580 | Int J Mol Sci | CoIP |
| Hongyuan Zhao | 33786631 | Oncol Rep | IF |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

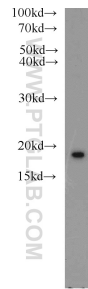
T: 4006900926

E: Proteintech-CN@ptglab.com

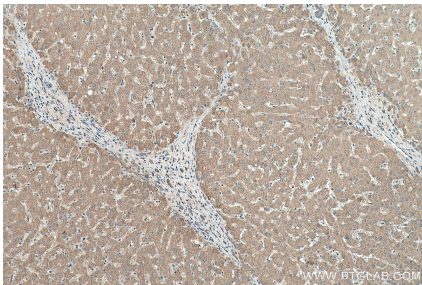
W: ptgcn.com

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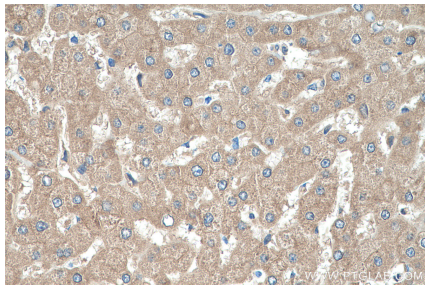
Selected Validation Data



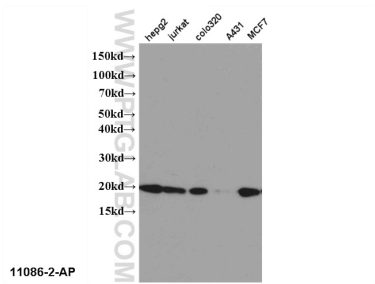
HeLa cells were subjected to SDS PAGE followed by western blot with 11086-2-AP (NME1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



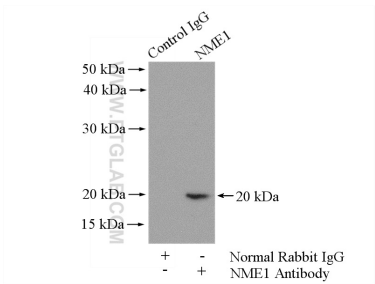
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 11086-2-AP (NME1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



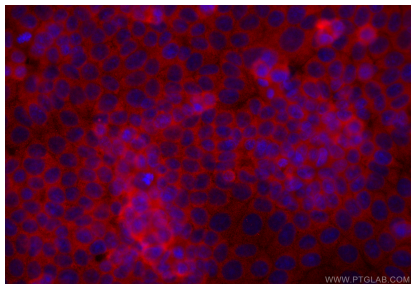
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 11086-2-AP (NME1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



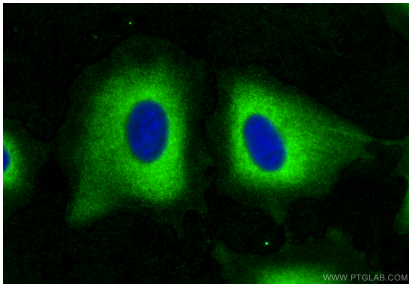
WB result of 10086-2-AP (NME1 antibody).



IP result of anti-NME1 (IP:11086-2-AP, 4ug; Detection:11086-2-AP 1:500) with A549 cells lysate 2800ug.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using NME1 antibody (11086-2-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using NME1 antibody (11086-2-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).