

For Research Use Only

NME3 Recombinant antibody

Catalog Number: 84278-5-RR



Basic Information

Catalog Number:

84278-5-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7284

GenBank Accession Number:

BC000250

GeneID (NCBI):

4832

UNIPROT ID:

Q13232

Full Name:

non-metastatic cells 3, protein expressed in

Calculated MW:

19 kDa

Observed MW:

18 kDa

Purification Method:

Protein A purification

CloneNo.:

241585H7

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:50-1:500

IF/ICC 1:125-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, rat

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 : HEK-293 cells, MCF-7 cells, K-562 cells

IHC : rat kidney tissue,

IF/ICC : HeLa cells,

Background Information

NME3 (NME/NM23 Nucleoside Diphosphate Kinase 3), also named as NM23-H3; DR-NM23, is a member of the nucleoside diphosphate kinase (NDPK) family that binds to the mitochondrial outer membrane to stimulate mitochondrial fusion. The depletion of NME3 will cause dysfunction in mitochondrial dynamics. NME3 has been found to facilitate DNA-repair mechanisms binds to several NPHPs, including NEK8, CEP164, and ankyrin repeat and sterile α motif domain-containing 6 (ANKS6)

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

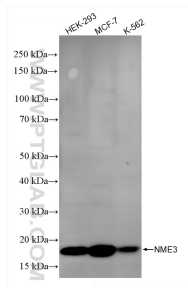
T: 4006900926

E: Proteintech-CN@ptglab.com

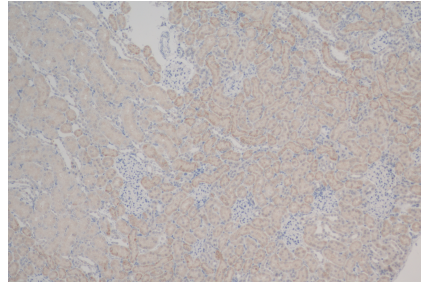
W: ptgcn.com

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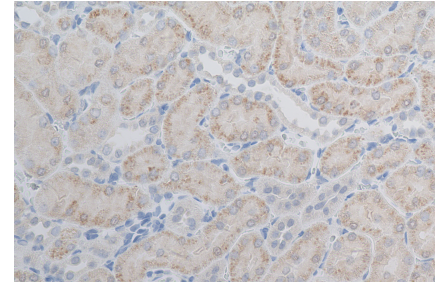
Selected Validation Data



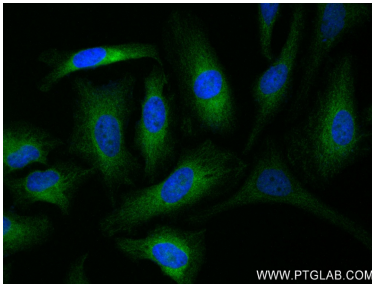
Various lysates were subjected to SDS PAGE followed by western blot with 84278-5-RR (NME3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



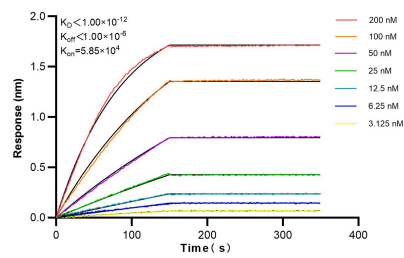
Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 84278-5-RR (NME3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 84278-5-RR (NME3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NME3 antibody (84278-5-RR, Clone: 241585H7) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84278-5-RR against Human NME3 were performed. The affinity constant is below 1 pM.