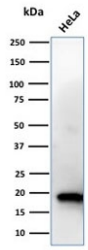
NME1 Antibody / NM23 [clone CPTC-NME1-2] (V7980)

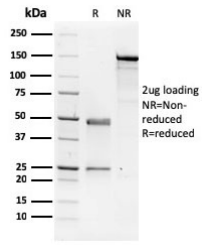
Catalog No.	Formulation	Size
V7980-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7980-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7980SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	CPTC-NME1-2
Purity	Protein G affinity chromatography
UniProt	P15531
Applications	Western Blot : 1-2ug/ml
Limitations	This NME1 antibody is available for research use only.



Western blot testing of human HeLa cell lysate with NME1 antibody. Predicted molecular weight ~17 kDa.



SDS-PAGE analysis of purified, BSA-free NME1 antibody as confirmation of integrity and purity.

Description

The nm23 gene, a potential suppressor of metastasis, was originally identified by differential hybridization between two murine melanoma sub-lines, one with a high and the second with a low metastatic capacity. Highly metastatic sub-lines exhibit much lower levels of nm23 than less metastatic cells. Based on sequence analysis, nm23 appears highly related to nucleotide diphosphate kinases (NDP-K). In humans, NDP kinase A and B are identical to two isotypes of human nm23 homologs, namely nm23-H1 and H2, respectively. nm23-H2 is identical in sequence to PuF, a transcription factor that binds to nuclease hypersensitive elements at positions 142 to 115 of the human C-Myc promotor.

Application Notes

Optimal dilution of the NME1 antibody should be determined by the researcher.

Immunogen

A recombinant full-length human NME1 protein was used as the immunogen for this NME1 antibody.

Storage

Store the NME1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).