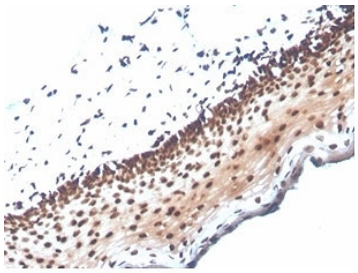
NME1 Antibody / NM23 [clone NME1/2737] (V9453)

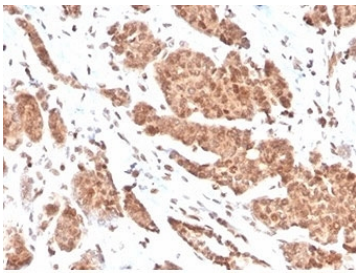
Catalog No.	Formulation	Size
V9453-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9453-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9453SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

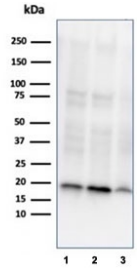
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	NME1/2737
Purity	Protein A/G affinity
UniProt	P15531
Localization	Nucleus, Cytoplasm
Applications	ELISA (order BSA-free Format For Coating) : Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This NME1 antibody is available for research use only.



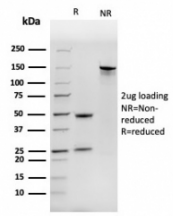
IHC staining of FFPE human cervix tissue with NME1 antibody (clone NME1/2737). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



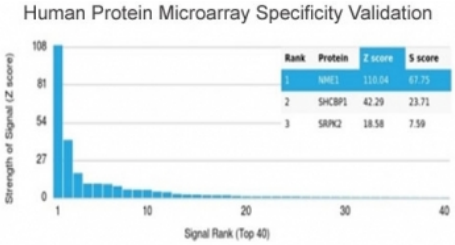
IHC staining of FFPE human breast carcinoma tissue with NME1 antibody (clone NME1/2737). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot analysis of human 1) A549, 2) PC3 and 3) K562 cell lysates using NME1 antibody (clone NME1/2737). Predicted molecular weight ~17 kDa.



SDS-PAGE analysis of purified, BSA-free NME1 antibody (clone NME1/2737) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using NME1 antibody (clone NME1/2737). These results demonstrate the foremost specificity of the NME1/2737 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

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). In humans, NDP kinases 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

Recombinant full-length human NME1 protein was used as the immunogen for the NME1 antibody.

Storage

Aliquot the NME1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.