

Product datasheet for **AP20665PU-M**

NM23A (NME1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000. Immunohistochemistry on paraffin sections 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of NM23-H1 protein. (region surrounding Tyr52)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 20 kDa
Gene Name:	NME/NM23 nucleoside diphosphate kinase 1
Database Link:	<u>Entrez Gene 18102 Mouse</u> <u>Entrez Gene 191575 Rat</u> <u>Entrez Gene 4830 Human</u> <u>P15531</u>



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Background:

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 sublines 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 isoforms of human nm23 homologs, namely nm23-H1 and -H2, respectively. nm23-H2 is identical in sequence to PuF, a transcription factor that binds to nucleasehypersensitive elements at positions 142 to 115 of the human c-Myc promoter.

Synonyms:

NME1, NDPKA, NM23, nm23-H1, GAAD

Protein Families:

Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

Metabolic pathways, Purine metabolism, Pyrimidine metabolism

Product images:


Western blot (WB) analysis of NM23-H1 antibody (Cat.-No.: [AP20665PU-N]) in extracts from HeLa cells.



Immunohistochemistry (IHC) analysis of NM23-H1 antibody (Cat.-No.: [AP20665PU-N]) in paraffin-embedded human brain tissue.