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Product datasheet for AP06403PU-M

NM23A (NME1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	**Western blot:** 1/500-1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 87-130 of Human NM23-H2.
Specificity:	This antibody detects endogenous levels of NM23/NDP Kinase B protein. (region surrounding His118)
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 using epitope-specific immunogen and the purity is > 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:	~ 23 kDa
Gene Name:	NME/NM23 nucleoside diphosphate kinase 1
Database Link:	Entrez Gene 18102 MouseEntrez Gene 191575 RatEntrez Gene 4830 Human P15531

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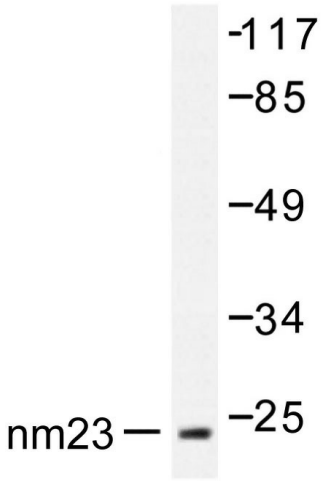
Background: The nm23 protein is the collective designation for two closely related proteins encoded by the genes nm23H1 and nm23H2 now called NME1 and NME2. The protein is expressed in the nucleus and cytoplasm of all normal cells, and on the cell surface of many haematopoietic cells, including erythrocytes. Tumour cells with a high metastatic potential often lack or express only a low amount of nm23 protein, hence the nm23 protein has been described as a metastasis suppressor protein. Recent studies, however, suggest a more complex relationship between occurrence of the nm23 protein and metastatic activity.

Synonyms: NM23

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Metabolic pathways, Purine metabolism, Pyrimidine metabolism

Product images:



Western blot (WB) analysis of NM23/NDP Kinase B antibody in extracts from K562 cells.