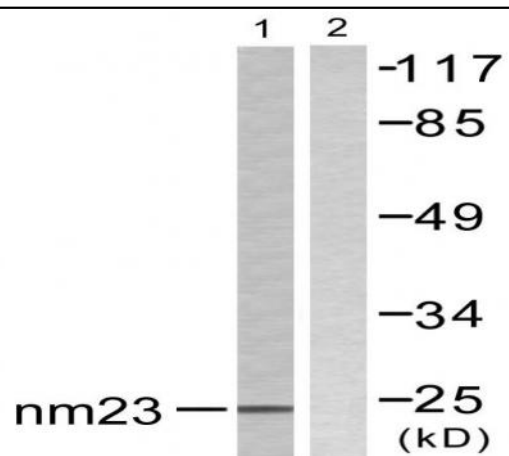


NM23-H2 Polyclonal Antibody

Catalog No :	YT3147
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	NM23-H2
Fields :	>>Purine metabolism;>>Pyrimidine metabolism;>>Drug metabolism - other enzymes;>>Metabolic pathways;>>Nucleotide metabolism;>>Biosynthesis of cofactors
Gene Name :	NME2
Protein Name :	Nucleoside diphosphate kinase B
Human Gene Id :	4831/654364
Human Swiss Prot No :	P22392
Mouse Gene Id :	18103
Mouse Swiss Prot No :	Q01768
Rat Gene Id :	83782
Rat Swiss Prot No :	P19804
Immunogen :	The antiserum was produced against synthesized peptide derived from human NM23. AA range:91-140
Specificity :	NM23-H2 Polyclonal Antibody detects endogenous levels of NM23-H2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	23kD
Cell Pathway :	Purine metabolism;Pyrimidine metabolism;
Background :	Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of 'A' (encoded by NME1) and 'B' (encoded by this gene) isoforms. Multiple alternatively spliced transcript variants have been found for this gene. Read-through transcription from the neighboring upstream gene (NME1) generates naturally-occurring transcripts (NME1-NME2) that encode a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq, Nov 2010],
Function :	catalytic activity:ATP + nucleoside diphosphate = ADP + nucleoside triphosphate.,cofactor:Magnesium.,disease:This protein is found in reduced amount in tumor cells of high metastatic potential.,disease:This protein is found in reduced amount in tumor cells of high metastatic potential. Somatic mutations of NME1 are found in neuroblastoma. Increased NME1 in neuroblastoma is correlated with features of the disease that are associated with aggressive tumors.May therefore have distinct if not opposite roles in different tumors.,enzyme regulation:Autophosphorylation at His-118 increases serine/threonine protein kinase activity of the enzyme. Interaction with the SET complex inhibits exonuclease activity.,function:Major role in the synthesis of nucleoside triphosphates other than ATP. Negatively regulates Rho activity by interacting with AKAP13/LBC. Acts as a transcriptional activator of the
Subcellular Location :	Cytoplasm . Cell projection, lamellipodium . Cell projection, ruffle . Colocalizes with ITGB1 and ITGB1BP1 at the edge or peripheral ruffles and lamellipodia during the early stages of cell spreading on fibronectin or collagen but not on vitronectin or laminin substrates. .; [Isoform 1]: Cytoplasm . Cytoplasm, perinuclear region . Nucleus .; [Isoform 3]: Cytoplasm . Cytoplasm, perinuclear region . Nucleus .
Expression :	[Isoform 1]: Ubiquitously expressed. ; [Isoform 3]: Ubiquitously expressed.

Products Images



Western blot analysis of lysates from K562 cells, using NM23 Antibody. The lane on the right is blocked with the synthesized peptide.