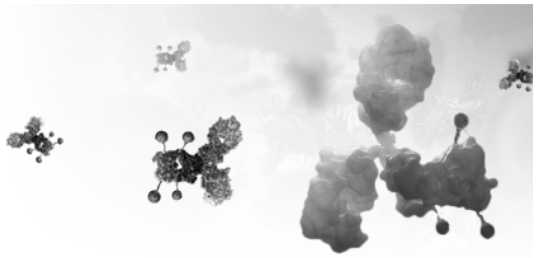

Anti-NME1 (aa 43-152) polyclonal antibody (DPAB-DC2035)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene (NME1) was identified because of its reduced mRNA transcript levels in highly metastatic cells. Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of A (encoded by this gene) and B (encoded by NME2) isoforms. Mutations in this gene have been identified in aggressive neuroblastomas. Two transcript variants encoding different isoforms have been found for this gene. Co-transcription of this gene and the neighboring downstream gene (NME2) generates naturally-occurring transcripts (NME1-NME2), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product.
Immunogen	NME1 (NP_000260, 43 a.a. ~ 152 a.a) partial recombinant protein with GST tag. The sequence is ASEDLLKEHYVDLKDRPFFAGLVKYMHSGPVVAMVWEGLNVVKTGRVMLGETNPADSKPG TIRGDFCIQVGRNIIHGSDSVESAEKEIGLWFHPEELVDYTSCAQNWIYE
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	NME1 NME/NM23 nucleoside diphosphate kinase 1 [Homo sapiens (human)]
Official Symbol	NME1
Synonyms	NME1; NME/NM23 nucleoside diphosphate kinase 1; NB; AWD; NBS; GAAD; NDKA; NM23; NDPKA; NDPK-A; NM23-H1; nucleoside diphosphate kinase A; NDP kinase A; granzyme A-activated DNase; metastasis inhibition factor nm23; tumor metastatic process-associated protein; non-metastatic cells 1, protein (NM23A) expressed in;
Entrez Gene ID	4830
Protein Refseq	NP_000260
UniProt ID	P15531
Chromosome Location	17q21.3
Pathway	Adenine ribonucleotide biosynthesis, IMP => Adenine ribonucleotide biosynthesis, IMP => Arf6 downstream pathway; CMP phosphorylation
Function	ATP binding; GTP binding; RNA polymerase II regulatory region sequence-specific DNA binding; deoxyribonuclease activity

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