DATASHEET

nm23-H4 Rabbit Polyclonal Antibody

CAT. NO. APA13263

KEY FEATURES

Target	nm23-H4	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Mitochondria-specific nucleoside diphosphate kinase that catalyzes the transfer of a gamma-phosphoryl group from ATP to a nucleoside diphosphate via a ping-pong mechanism involving a phosphohistidine intermediate, participating in nucleoside triphosphate homeostasis . In vitro, purine nucleoside triphosphates are much more effective as donors and acceptors than pyrimidine nucleoside triphosphates, and ribonucleosides derivatives are superior to their deoxyribonucleosides counterparts . Associates with cardiolipin-containing mitochondrial inner membrane and locally produces ADP in the mitochondrial intermembrane space, which is directly taken up via the ADP/ATP translocase (ANT) into the matrix to stimulate respiratory ATP regeneration .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to nm23-H4
Specificity	Recognizes endogenous levels of nm23-H4 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human nm23-H4
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 12; Observed: 17 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	NM23D; Nucleoside diphosphate kinase mitochondrial; NDK; NDP kinase mitochondrial; Nucleoside diphosphate kinase D; NDPKD; nm23-H4
Gene Symbol	NME4
Entrez Gene	4833(Human); 56520(Mouse)
SwissProt	O00746(Human); Q9WV84(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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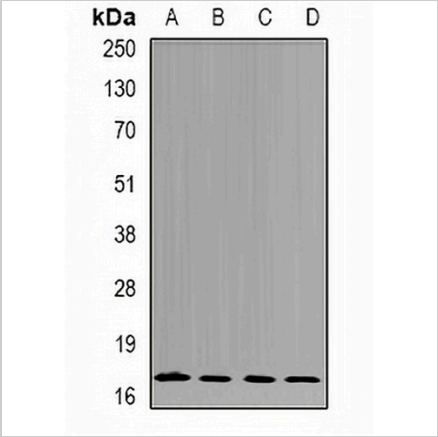
DATA



Western blot analysis of nm23-H4 expression in Jurkat (A), A549 (B), mouse kidney (C), rat brain (D) whole cell lysates. (Predicted band size: 12; 20 kD; Observed band size: 17 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.