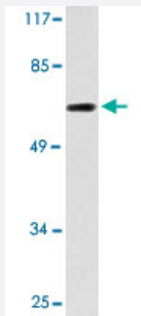


DMPK polyclonal antibody

Catalog # PAB24919 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate with DMPK polyclonal antibody (Cat # PAB24919).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DMPK.
Immunogen	A synthetic peptide corresponding to DMPK.
Host	Rabbit
Theoretical MW (kDa)	70
Reactivity	Human
Specificity	DMPK polyclonal antibody detects endogenous levels of DMPK protein.
Form	Liquid
Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate with DMPK polyclonal antibody (Cat # PAB24919).

Gene Info — DMPK

Entrez GeneID[1760](#)**Gene Name**

DMPK

Gene Alias

DM, DM1, DM1PK, DMK, MDPK, MT-PK

Gene Description

dystrophia myotonica-protein kinase

Omim ID[160900 605377](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a serine-threonine kinase that is closely related to other kinases that interact with members of the Rho family of small GTPases. Substrates for this enzyme include myogenin, the beta-subunit of the L-type calcium channels, and phospholemman. The 3' untranslated region of this gene contains 5-37 copies of a CTG trinucleotide repeat. Expansion of this unstable motif to 50-5,000 copies causes myotonic dystrophy type I, which increases in severity with increasing repeat element copy number. Repeat expansion is associated with condensation of local chromatin structure that disrupts the expression of genes in this region. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq]

Other Designations

DM protein kinase|dystrophia myotonica 1|myotonic dystrophy associated protein kinase|myotonic dystrophy protein kinase|myotonin protein kinase A|thymopoietin homolog

Disease

- [Arrhythmia](#)
- [Atherosclerosis](#)

- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cataract](#)
- [Chromosome Disorders](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fragile X syndrome](#)
- [Friedreich Ataxia](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
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