

Datasheet for ABIN1538919
anti-DMPK antibody (N-Term)[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|-----------------------|
| Quantity: | 400 µL |
| Target: | DMPK |
| Binding Specificity: | AA 11-39, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB) |

Product Details

| | |
|---------------|--|
| Immunogen: | This DMPK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-39 amino acids from the N-terminal region of human DMPK. |
| Clone: | RB36813 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

| | |
|-------------------|---|
| Target: | DMPK |
| Alternative Name: | DMPK (DMPK Products) |
| Background: | 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 |

Target Details

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.

Molecular Weight: 69385

Gene ID: 1760

NCBI Accession: [NP_001075029](#), [NP_001075031](#), [NP_001075032](#), [NP_004400](#)

UniProt: [Q09013](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [Synaptic Membrane](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

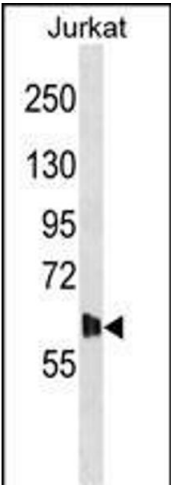
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: DMPK Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months



Western Blotting

Image 1. DK Antibody (N-term) (ABIN1538919 and ABIN2848685) western blot analysis in Jurkat cell line lysates (35 µg/lane). This demonstrates the DK antibody detected the DK protein (arrow).