

Datasheet for ABIN2775281
anti-DMPK antibody (Middle Region)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	DMPK
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DMPK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human DMPK
Sequence:	TRLGRGGAGD FRTHPFFFGL DWDGLRDSVP PFTPDFEGAT DTCNFDLVED
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against DMPK. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DMPK
Alternative Name:	DMPK (DMPK Products)

Target Details

Background:	<p>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 channel.</p> <p>Alias Symbols: DM, DM1, DM1PK, DMK, MDPK, MT-PK</p> <p>Protein Interaction Partner: HOXA2, LGR4, GEMIN4, UBC, HSP90AA1, ATXN1, ATN1, UBQLN4, PIN1, ANXA7, TK1, SMN1, RPS10, GABARAP, FXYD1, HSPB2, PPP1R12A, CELF1, PLN, RAF1, RAC1, RARG, SP1,</p> <p>Protein Size: 629</p>
Molecular Weight:	69 kDa
Gene ID:	1760
NCBI Accession:	NM_004409 , NP_004400
UniProt:	Q09013
Pathways:	Regulation of Muscle Cell Differentiation , Synaptic Membrane , Skeletal Muscle Fiber Development

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 629 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

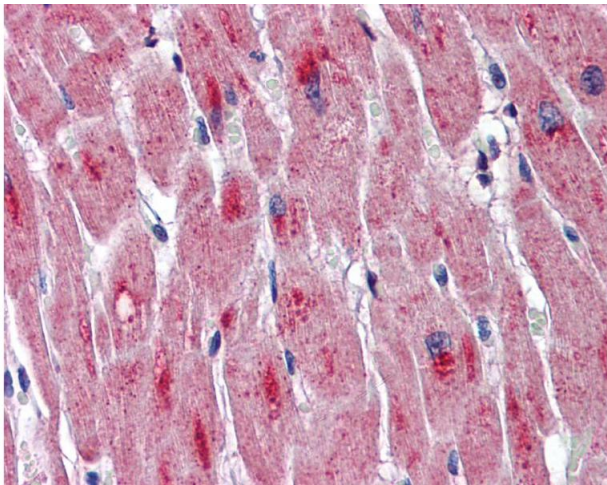
Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

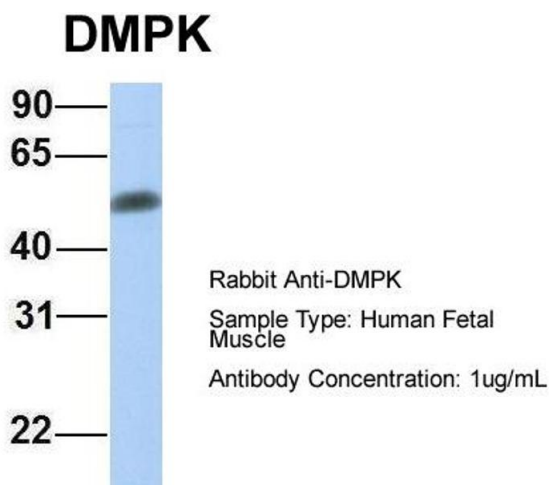
Product cited in: Small, Seman, Castator, Brown, Liggett: "False positive non-synonymous polymorphisms of G-protein coupled receptor genes." in: **FEBS letters**, Vol. 516, Issue 1-3, pp. 253-6, (2002) ([PubMed](#)).

Images



Immunohistochemistry

Image 1.



Western Blotting

Image 2. Host: Rabbit Target Name: DMPK Sample Type: Human Fetal Muscle Antibody Dilution: 1.0ug/ml