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Datasheet for ABIN2854986 anti-DMPK antibody (Center)

2 Images



Overview

Quantity:	100 μL
Target:	DMPK
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DMPK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human DMPK. The exact sequence is proprietary.
Isotype:	lgG
Characteristics:	Rabbit Polyclonal antibody to DMPK (dystrophia myotonica-protein kinase) DMPK antibody
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	DMPK
Alternative Name:	DMPK (DMPK Products)

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Target Details

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
	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:	69 kDa
Gene ID:	1760
Pathways:	Regulation of Muscle Cell Differentiation, Synaptic Membrane, Skeletal Muscle Fiber Development

Application Details

Application Notes:	Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000*
	Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations
	should be determined by the researcher.Suggested dilutionReferenceIHC (Formalin-fixed
	paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: U87-MG , SK-N-SH , SK-N-AS
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS, 20 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

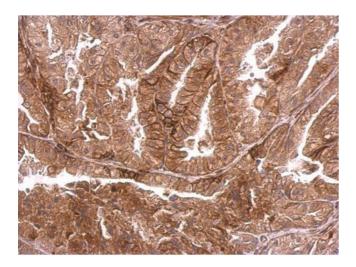
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Handling

Storage:-20 °CStorage Comment:Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw

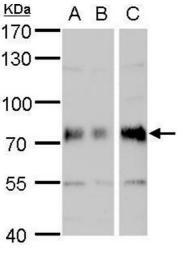
cycles.

Images



Immunohistochemistry

Image 1. IHC-P Image DMPK antibody detects DMPK protein at membrane on mouse prostate by immunohistochemical analysis. Sample: Paraffin-embedded mouse prostate. DMPK antibody , dilution: 1:500.



Western Blotting

Image 2. WB Image DMPK antibody detects DMPK protein by western blot analysis. A. 30 μg U87-MG whole cell lysate/extract B. 30 μg SK-N-SH whole cell lysate/extract C. 30 μg SK-N-AS whole cell lysate/extract 7.5 % SDS-PAGE DMPK antibody , dilution: 1:1000

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