

For Research Use Only

DMPK Polyclonal antibody

Catalog Number: 16711-1-AP



Basic Information

Catalog Number: 16711-1-AP	GenBank Accession Number: BC062553	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 1760	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q09013	IHC 1:50-1:500
Isotype: IgG	Full Name: dystrophia myotonica-protein kinase	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG10127	Calculated MW: 629 aa, 69 kDa	
	Observed MW: 69-75 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : K-562 cells, SH-SY5Y cells, C2C12 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse skeletal muscle tissue,
	IF/ICC : U-251 cells,

Background Information

DMPK (Myotonic Dystrophy Protein Kinase) is a serine-threonine protein kinase, strongly linked to myotonic dystrophy type 1 (DM1), the most prevalent muscular dystrophy in adults (PMID: 19309729). It is best known for its association with myotonic dystrophy type 1 (DM1), a multisystemic genetic disorder characterized by myotonia, muscle wasting, cardiac conduction defects, and other systemic manifestations (PMID: 24136222).

Storage

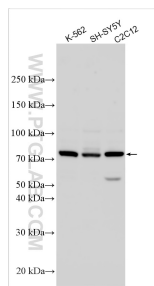
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

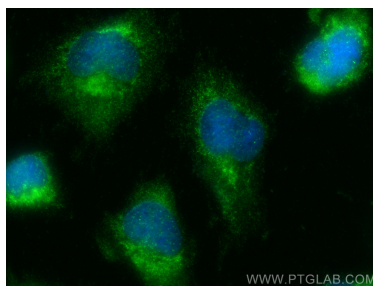
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

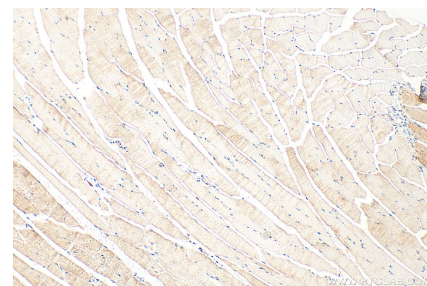
Selected Validation Data



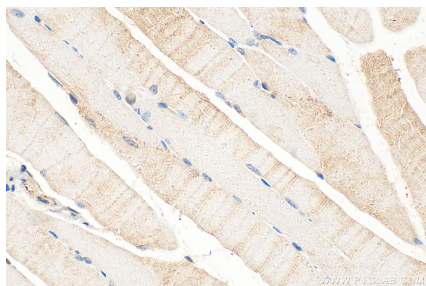
Various lysates were subjected to SDS PAGE followed by western blot with 16711-1-AP (DMPK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using DMPK antibody (16711-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 16711-1-AP (DMPK antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 16711-1-AP (DMPK antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).