

Rabbit anti-Human DMPK Polyclonal Antibody | anti-DMPK antibody

DMPK Antibody

CATALOG # AAA234054	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

DMPK; Polyclonal Antibody; DMPK Antibody; Myotonin-protein kinase; MT-PK; DM-kinase; DMK; DM1 protein kinase; Myotonic dystrophy protein kinase; DM1PK; MDPK; anti-DMPK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	624
Applicable Applications for anti-DMPK antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Myotonin-protein kinase protein (243-424AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

IHC image of AAA234054 diluted at 1:500 and staining in paraffin-embedded human heart tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234054 diluted at 1:500 and staining in paraffin-embedded human skeletal muscle tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-DMPK antibody	Non-receptor serine/threonine protein kinase which is necessary for the maintenance of skeletal muscle structure and function. May play a role in myocyte differentiation and survival by regulating the integrity of the nuclear envelope and the expression of muscle-specific genes. May also phosphorylate PPP1R12A and inhibit the myosin phosphatase activity to regulate myosin phosphorylation. Also critical to the modulation of cardiac contractility and to the maintenance of proper cardiac conduction activity probably through the regulation of cellular calcium homeostasis. Phosphorylates PLN, a regulator of calcium pumps and may regulate sarcoplasmic reticulum calcium uptake in myocytes. May also phosphorylate FXYD1/PLM which is able to induce chloride currents. May also play a role in synaptic plasticity.
Product Categories/Family for anti-DMPK antibody	Neuroscience; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	126131093
NCBI GeneID	1760
NCBI Accession #	NP_001075029.1
NCBI GenBank Nucleotide #	NM_001081560.2
UniProt Accession #	Q09013 ; Q16205 ; Q6P5Z6 ; E5KR08
Molecular Weight	60,790 Da
NCBI Official Full Name	myotonin-protein kinase isoform 3
NCBI Official Synonym Full Names	DM1 protein kinase
NCBI Official Symbol	DMPK
NCBI Official Synonym Symbols	DM; DM1; DMK; MDPK; DM1PK; MT-PK
NCBI Protein Information	myotonin-protein kinase
UniProt Protein Name	Myotonin-protein kinase
UniProt Gene Name	DMPK
UniProt Synonym Gene Names	DM1PK; MDPK; MT-PK; DMK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dmpk-antibody-immunohistochemistry-elisa/234054>