DNAxPAb | Hard-to-Find Antibody

DMPK DNAxPab

Catalog # H00001760-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DMPK DNA using DNAx™ Immune tec hnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MSAEVRLRRLQQLVLDPGFLGLEPLLDLLLGVHQELGASELAQDKYVADFLQWAEPIVVRLKEVR LQRDDFEILKVIGRGAFSEVAVVKMKQTGQVYAMKIMNKWDMLKRGEVSCFREERDVLVNGDRR WITQLHFAFQDENYLYLVMEYYVGGDLLTLLSKFGERIPAEMARFYLAEIVMAIDSVHRLGYVHRDIK PDNILLDRCGHIRLADFGSCLKLRADGTVRSLVAVGTPDYLSPEILQAVGGGPGTGSYGPECDWW ALGVFAYEMFYGQTPFYADSTAETYGKIVHYKEHLSLPLVDEGVPEEARDFIQRLLCPPETRLGRG GAGDFRTHPFFFGLDWDGLRDSVPPFTPDFEGATDTCNFDLVEDGLTAMVSGGGETLSDIREG APLGVHLPFVGYSYSCMALRDSEVPGPTPMELEAEQLLEPHVQAPSLEPSVSPQDETAEVAVP AAVPAAEAEAEVTLRELQEALEEEVLTRQSLSREMEAIRTDNQNFASQLREAEARNRDLEAHVR QLQERMELLQAEGATAVTGVPSPRATDPPSHLDGPPAVAVGQCPLVGPGPMHRRHLLLPARVP RPGLSEALSLLLFAVVLSRAAALGCIGLVAHAGQLTAVWRRPGAARAP
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — DMPK

Entrez GeneID	1760
GeneBank Accession#	NM_004409.2
Protein Accession#	NP_004400.4
Gene Name	DMPK
Gene Alias	DM, DM1, DM1PK, DMK, MDPK, MT-PK
Gene Description	dystrophia myotonica-protein kinase
Omim ID	160900 605377
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	DM protein kinase|dystrophia myotonica 1|myotonic dystrophy associated protein kinase|myotonic dystrophy protein kinase|myotonin protein kinase A|thymopoietin homolog

Disease

- Arrhythmia
- Atherosclerosis

- Calcinosis
- Cardiovascular Diseases
- Cataract
- Chromosome Disorders
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Fragile X syndrome
- Friedreich Ataxia
- Genetic Predisposition to Disease
- Kidney Failure
- Muscular Atrophy
- Myotonic dystrophy
- Schizophrenia
- Spinal muscular atrophy
- Spinocerebellar ataxia
- Stress
- Thrombosis