

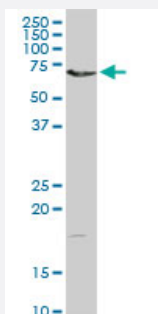
MaxPab®

DMPK purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001760-D01P

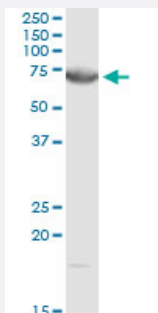
Size 100 ug

Applications



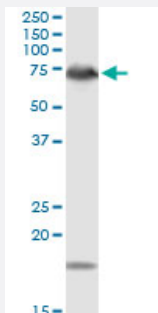
Western Blot (Cell lysate)

DMPK MaxPab rabbit polyclonal antibody. Western Blot analysis of DMPK expression in HeLa.



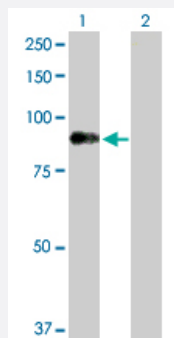
Western Blot (Cell lysate)

DMPK MaxPab rabbit polyclonal antibody. Western Blot analysis of DMPK expression in NIH/3T3.



Western Blot (Cell lysate)

DMPK MaxPab rabbit polyclonal antibody. Western Blot analysis of DMPK expression in PC-12.



Western Blot (Transfected lysate)

Western Blot analysis of DMPK expression in transfected 293T cell line ([H00001760-T01](#)) by DMPK MaxPab polyclonal antibody.

Lane 1: DMPK transfected lysate(69.40 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human DMPK protein.

Immunogen

DMPK (NP_004400.4, 1 a.a. ~ 629 a.a) full-length human protein.

Sequence

MSAEVRLRRLQQLVLDPGFLGLEPLDLLLVHQLGASELAQDKYVADFLQWAEPIVRLKEVR
LQRDDFEILKVIGRGAFSEVAVVKMKQTGQVYAMKIMNKWMLKRGEVSCFREERDVLVNGDRR
WITQLHFAFQDENLYLVMEYVGGDLLTLLSKFGERIPAEMARFYLAEIVMAIDSVHRLGYVHRDIK
PDNILLDRCGHIRLADFGSCLKLADGTVRSLVAVGTPDYLSPILQAVGGGPGTGSYGPECDWW
ALGVFAYEMFYGQTPFYADSTAETYGKIVHYKEHLSLPLVDEGVPEEARDFIQRLLCPPETRLGRG
GAGDFRTHPFFFGLDWDGLRDSVPPFTPDFEGATDTCNFDLVEDGLTAMVSGGGETLSDIREG
APLGVHLPFVGYSYSCMALRDSEVPGPTPMELEAEQLLEPHVQAPSLEPSVSPQDETAEVAVP
AAVPAAEAEAEVTLRELQEALEEEVLTRQSLSREMEAIRTDNQNFASQLREAEARNRDLEAHVR
QLQERMELLQAEGATAVTGVPSPRATDPPSHLDGPPAVAVGQCPLVGPMPHRRHLLPARVP
RPLSEALSLLFAVVLRSAAALGCIGLVAHAGQLTAVWRRPGAARAP

Host

Rabbit

Reactivity

Human, Mouse, Rat

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 (Cell lysate)

DMPK MaxPab rabbit polyclonal antibody. Western Blot analysis of DMPK expression in HeLa.

[Protocol Download](#)

- Western Blot (Cell lysate)

DMPK MaxPab rabbit polyclonal antibody. Western Blot analysis of DMPK expression in NIH/3T3.

[Protocol Download](#)

- Western Blot (Cell lysate)

DMPK MaxPab rabbit polyclonal antibody. Western Blot analysis of DMPK expression in PC-12.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of DMPK expression in transfected 293T cell line ([H00001760-T01](#)) by DMPK MaxPab polyclonal antibody.

Lane 1: DMPK transfected lysate(69.40 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

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

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