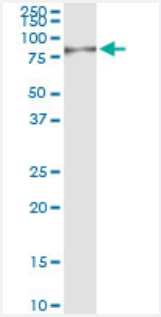
DMPK (Human) IP-WB Antibody Pair

Catalog # H00001760-PW1 Size 1 Set

Applications



Immunoprecipitation of DMPK transfected lysate using rabbit polyclonal anti-DMPK and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-DMPK.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of DMPK transfected lysate using rabbit polyclonal anti-DMPK and Protein A M agnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-DMPK.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-DMPK (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-DMPK (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

Protocol Download

Gene Info — DMPK

Entrez GeneID	1760
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