DMPK (R30) polyclonal antibody

Catalog: BCP00659 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Myotonic dystrophy protein kinase (DMPK) is a ulti-domain protein kinase found in muscle that is activated in response to G protein second messengers and proteolysis. DMPK is implicated in myotonic muscular dystrophy (DM), an autosomal dominant-inherited disorder that predominately affects skeletal and cardiac muscle and causes defects in cardiac conduction. DM arises through expansion of CTG repeats in the 3'-UTR of the DMPK gene. Mutant DMPK transcripts with an extended region of CUG repeats are retained in the nucleus. These transcripts also influence the expression of the DM locus-associated homeodomain protein (DMAHP)/SIX5, to mediate in part the DM phenotype. Other substrates for DMPK include myogenin, Ltype calcium channels, and Phospholemman (PLM).

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 70 kDa

Swiss-Prot:

Q09013

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

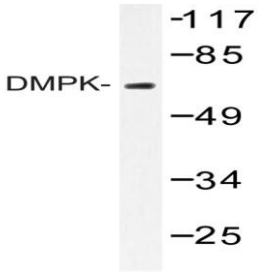
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

DMPK (R30) polyclonal antibody detects endogenous levels of DMPK protein.

DATA:



Western blot (WB) analysis of DMPK (R30) pAb at 1:500 dilution

Lane1:CT26 whole cell lysate(40ug)

Lane2:The Brain tissue lysate of Rat(40ug)

Lane3:A549 whole cell lysate(40ug)

Lane4:L02 whole cell lysate(40ug)

Lane5:HEK293T whole cell lysate(20ug)

Note:

For research use only, not for use in diagnostic procedure.