abcam

Product datasheet

Anti-Dystrophia myotonica protein kinase / DMPK antibody ab102804

2 图像

概述

产品名称	Anti-Dystrophia myotonica蛋白kinase / DMPK抗体
描述	兔多克隆抗体to Dystrophia myotonica蛋白kinase / DMPK
宿主	Rabbit
经测试应用	**适用于:** WB
种属反应性	**与反应:** Human
免疫原	Recombinant full length protein corresponding to Human Dystrophia myotonica protein kinase/ DMPK aa 1-629. Database link: **NP_004400.4**
阳性对照	WB: HeLa and Dystrophia myotonica protein kinase / DMPK transfected 293T cell lysates.
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Constituent: 100% PBS
纯度	Protein A purified
克隆	**多克隆**
同种型	IgG

应用

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab102804于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/1000. Predicted molecular weight: 70 kDa.

靶标

功能

Critical to the modulation of cardiac contractility and to the maintenance of proper cardiac conduction activity. Phosphorylates phospholamban.

组织特异性

Most isoforms are expressed in many tissues including heart, skeletal muscle, liver and brain, except for isoform 2 which is only found in the heart and skeletal muscle, and isoform 14 which is only found in the brain, with high levels in the striatum, cerebellar cortex and pons.

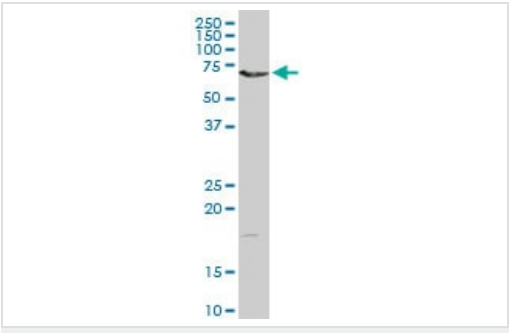
疾病相关

Defects in DMPK are the cause of dystrophia myotonica type 1 (DM1) [MIM:160900]; also known as Steinert disease. A muscular disorder characterized by myotonia, muscle wasting in the distal extremities, cataract, hypogonadism, defective endocrine functions, male baldness and cardiac arrhythmias. Note=The causative mutation is a CTG expansion in the 3'-UTR of the DMPK gene. A length exceeding 50 CTG repeats is pathogenic, while normal individuals have 5 to 37 repeats. Intermediate alleles with 35-49 triplets are not disease-causing but show instability in intergenerational transmissions. Disease severity varies with the number of repeats: mildly affected persons have 50 to 150 repeats, patients with classic DM have 100 to 1,000 repeats, and those with congenital onset can have more than 2,000 repeats.

序列相似性

Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. DMPK subfamily.
Contains 1 AGC-kinase C-terminal domain.
Contains 1 protein kinase domain.

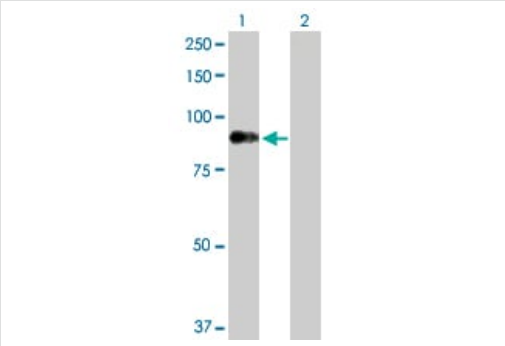
图片



Western blot - Anti-Dystrophia myotonica protein kinase / DMPK antibody (ab102804)

Anti-Dystrophia myotonica protein kinase / DMPK antibody (ab102804) at 1/500 dilution + HeLa cell lysate at 50 µg

Predicted band size: 70 kDa



Western blot - Anti-Dystrophia myotonica protein kinase / DMPK antibody (ab102804)

All lanes : Anti-Dystrophia myotonica protein kinase / DMPK antibody (ab102804) at 1/500 dilution

Lane 1 : Dystrophia myotonica protein kinase / DMPK transfected 293T cell lysate
Lane 2 : Non-transfected 293T cell line

Lysates/proteins at 25 µg per lane.

Predicted band size: 70 kDa

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