À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CKM-Specific

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Numéro de catalogue:18712-1-AP 4 Publications

Informations de base

Numéro de catalogue:
18712-1-AP

Taille:
150ul , Concentration: 350 μg/ml by Nanodrop and 267 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Numéro d'acquisition GenBank:
BC007462

Identification du gène (NCBI):
1158

Nom complet:
creatine kinase, muscle

MW calculé
43 kDa

MW observés:
43 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:5000-1:50000
IHC 1:50-1:500

Applications

Applications testées:
IHC, WB,ELISA

Demandes citées:
WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
souris, Bactérie

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : tissu cérébral de souris, tissu cardiaque de souris, tissu de muscle squelettique de souris, tissu d'intestin grêle de souris

IHC : tissu de muscle squelettique de souris, tissu cardiaque de rat

Informations générales

CKM, also named as CKMM and M-CK, is a member of the ATP:guanido phosphotransferase protein family. It is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. CKM reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. CK isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa. CK MB consists of a dimer of nonidentical chains. With MM being the major form in skeletal muscle and myocardium, MB existing in myocardium, and BB existing in many tissues, especially brain. Inactivation of creatine kinase by gliotoxin was accompanied by the formation of a 37-kDa form of the enzyme.This oxidized form of creatine kinase was rapidly reconverted to the 42 kDa species by the addition of reducing agents concomitant with restoration of activity.(PMID: 10827185). This antibody is specific to CKM.

Publications notables

Autrice	Pubmed ID	Journal	Application
Jing Hao	32990380	Cell Prolif	WB
Eric P Mosher	34561299	Mol Pharmacol	WB
Ying Li	34548056	BMC Musculoskelet Disord	WB

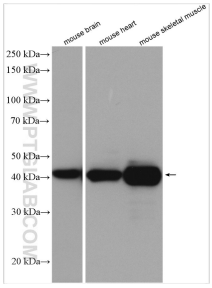
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

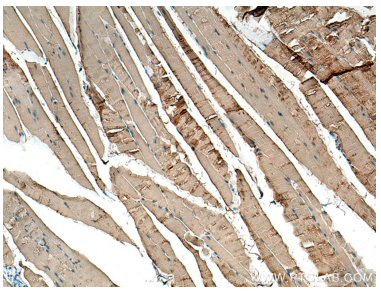
***** Les 20ul contiennent 0,1% de BSA.**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 18712-1-AP (CKM-Specific antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 18712-1-AP (CKM-Specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).