Nur für Forschungszwecke

CKM-Specific Monoklonaler Antikörper

Katalog-Nr.:60177-1-Ig

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

Allgemeine Informationen

Katalog-Nr.:
60177-1-Ig

Größe:
150ul , Konzentration: 3500 μg/ml von Nanodrop und 2027 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Maus

Isotyp:
IgG2a

GenBank-Zugangsnummer:
BC007462

GeneID (NCBI):
1158

Vollständiger Name:
creatine kinase, muscle

Berechneté Masse:
43 kDa

Beobachteté Masse:
43 kDa, 90 kDa, 130 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
2G3F6

Empfohlene Verdünnungen:
WB 1:500-1:1000
IHC 1:20-1:200
IF 1:50-1:400

Anwendungen

Geprüfte Anwendungen:
IF, IHC, WB, ELISA

Getestete Reaktivität:
Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : Human skeletal muscle, humanes Skelettmuskelgewebe

IHC : humanes Herzgewebe, humanes Lebergewebe, Mausherzgewebe, Maushodengewebe, Rattenhirngewebe, Rattenhodengewebe

IF : HepG2-Zellen, C2C12-Zellen, Mausherzgewebe

Hintergrundinformationen

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.

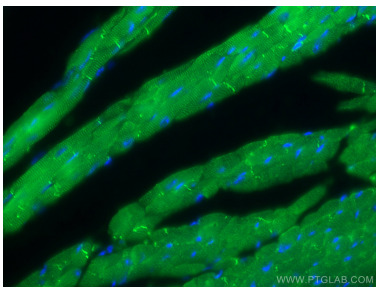
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

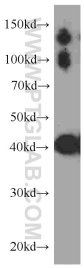
***** 20ul-Größen enthalten 0.1% BSA**

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

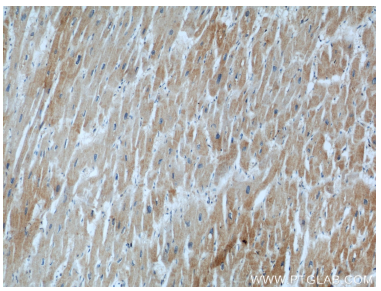
Ausgewählte Validierungsdaten



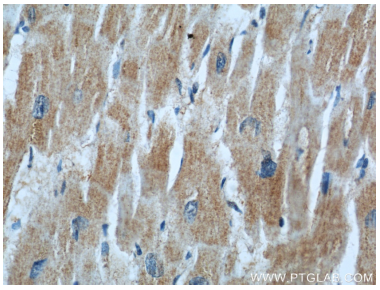
Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using CKM-Specific antibody (60177-1-Ig, Clone: 2G3F6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



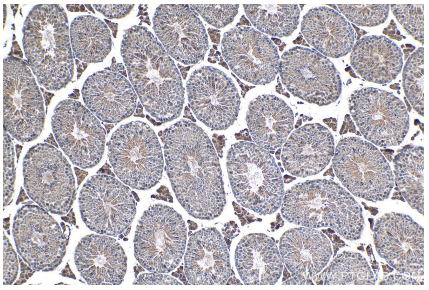
human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 60177-1-Ig (CKM-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



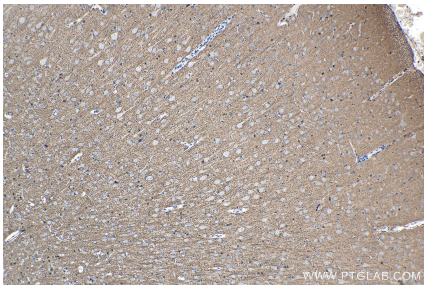
Immunohistochemical analysis of paraffin-embedded human heart slide using 60177-1-Ig (CKM-Specific Antibody) at dilution of 1:50.



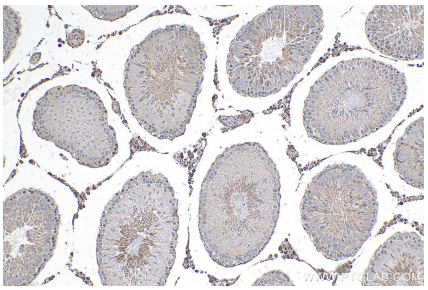
Immunohistochemical analysis of paraffin-embedded human heart slide using 60177-1-Ig (CKM-Specific Antibody) at dilution of 1:50.



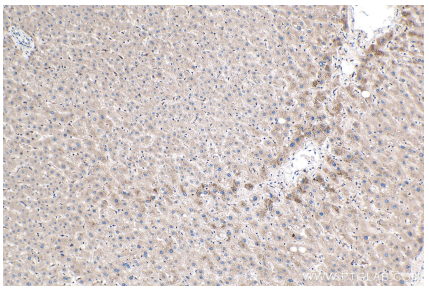
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 60177-1-Ig (CKM-Specific antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



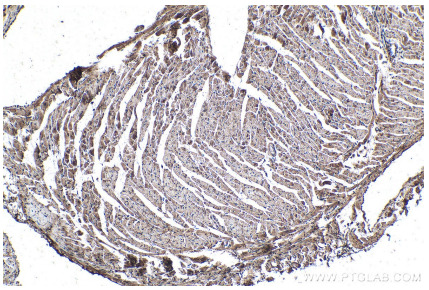
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 60177-1-Ig (CKM-Specific antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



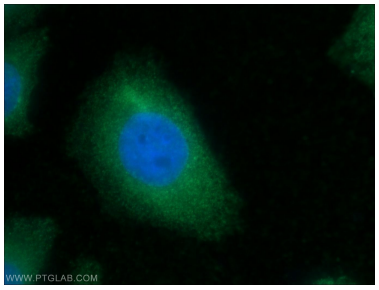
Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 60177-1-Ig (CKM-Specific antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 60177-1-Ig (CKM-Specific antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 60177-1-Ig (CKM-Specific antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells using 60177-1-Ig (CKM-Specific antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).