abcam

Product datasheet

Anti-Creatine Kinase MB antibody ab31832

1 Abreviews 1 References 1 图像

概述

产品名称	Anti-Creatine Kinase MB抗体
描述	**兔多克隆抗体**to Creatine Kinase MB
宿主	Rabbit
特异性	ab31832 will detect CK-MB,CK-MM and CK-BB
经测试应用	**适用于:** ELISA, WB
种属反应性	**与反应:** Human
免疫原	Full length protein (Human).

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 long term.
存储溶液	Preservative: 0.1% Sodium azide Constituent: 40% Glycerol
纯度	Whole antiserum
克隆	**多克隆**
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab31832** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		
WB		

应用说明	ELISA: Use at an assay dependent dilution. WB: Use at an assay dependent dilution (PMID 18611857).

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

靶标

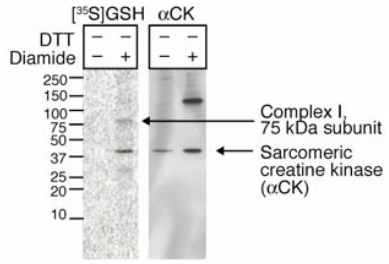
相关性

Creatine Kinase 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. Creatine Kinase MB reversibly catalyses the transfer of phosphate between ATP and various phosphogens. The creatine kinase isoenzymes play a central role in energy transduction in tissues with large fluctuating energy demands such as skeletal muscle, heart, brain and spermatozoa.

细胞定位

Cytoplasmic and Mitochondrial

图片



Western blot - Anti-Creatine Kinase MB antibody (ab31832)

Image from Hurd TR et al, J Biol Chem. 2008 Sep 5;283(36):24801-15. Epub 2008 Jul 8, Fig S1.

The glutathionylated ~ 45 kDa band is sarcomeric mitochondrial creatine kinase, not a complex I subunit. Mitochondria (20 mg protein/ml) were first incubated with [35S]GSH (40 µCi/ml) in STE for 30 minutes on ice, pelleted, and washed in 250 mM sucrose, 1 mM EGTA, 10 mM Tris-HCl, pH 7.4. The bovine and rat mitochondria were incubated ± 0.5 mM diamide for 5 minutes at 37ºC and then with 50 mM NEM for a further 5 minutes. Mitochondria were pelleted and complex I was isolated by BN-PAGE and non-reducing SDS-PAGE and electrotransferred onto nitrocellulose. [35GSH]- containing protein bands were detected using a phosphor imager. The membrane was blocked in PBST (PBS, 0.05% (v/v) Tween 20 with 1% (w/v) skimmed milk powder) and incubated with ab31832 at 1.25 µg/ml, for 1–2 hours at room temperature. Blots were incubated with 1/5000–1/10,000 dilutions of the appropriate secondary anti-serum for 1 hour at room temperature, treated with the chemiluminescent reagent (ECL or ECL Plus) and vi

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