Datasheet for ABIN359153

anti-CKMT1B antibody (N-Term)

1 Image

Go to Product page

Overview

Quantity:	0.4 mL
Target:	CKMT1B
Binding Specificity:	AA 62-92, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CKMT1B antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62~92 amino acids from the N-terminal region of Human CKMT1. Genename: CKMT1B, CKMT1A
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Creatine kinase MT (CKMT1).
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	CKMT1B
Alternative Name:	CKMT (CKMT1B Products)

Target Details

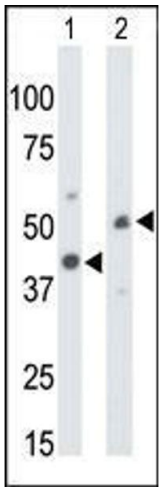
Background:	Mitochondrial creatine kinase (MtCK) is responsible for the transfer of high energy phosphate from mitochondria to the cytosolic carrier, creatine. It belongs to the creatine kinase isoenzyme family. It exists as two isoenzymes, sarcomeric MtCK and ubiquitous MtCK, encoded by separate genes. Mitochondrial creatine kinase occurs in two different oligomeric forms: dimers and octamers, in contrast to the exclusively dimeric cytosolic creatine kinase isoenzymes. Many malignant cancers with poor prognosis have shown overexpression of ubiquitous mitochondrial creatine kinase, this may be related to high energy turnover and failure to eliminate cancer cells via apoptosis. Ubiquitous mitochondrial creatine kinase has 80 % homology with the coding exons of sarcomeric mitochondrial creatine kinase.Synonyms: Acidic-type mitochondrial creatine kinase, CKMT1A, CKMT1B, Creatine kinase U, Mia-CK, U-MtCK, ubiquitous mitochondrial Creatine kinase
Gene ID:	1159, 9606
UniProt:	P12532

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Flow cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.



Western Blotting

Image 1. Western blot analysis using AP13637PU-N CKMT1 antibody to detect CKMT1 in Mouse colon tissue lysate (Lane 1) and ZR-75-1 cell lysate (Lane 2).