Datasheet for ABIN7652689

anti-CKB antibody (CF®405S)

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Overview

Quantity:	100 µL
Target:	CKB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CKB antibody is conjugated to CF®405S
Application:	Please inquire

Product Details

Purpose:	Creatine Kinase-BB (CK-BB) (CKBB/1268), CF405S conjugate
Immunogen:	Recombinant full-length human CKB protein
Clone:	CKB-1268
Isotype:	IgG1, kappa
Characteristics:	Creatine kinases (CK) are a large family of isoenzymes that regulate levels of ATP in subcellular compartments, where they provide ATP at sites of fluctuating energy demand by the transfer of phosphates between creatine and adenine nucleotides. CKs provide the energy of phosphate hydrolysis necessary to drive the normal function of many cellular systems. In cells, the cytosolic CK enzymes consist of two subunits, which can be either B (brain type) or M (muscle type). There are three different isoenzymes: CKMM, CKBB and CKMB. This MAb recognizes the CKBB isoenzyme and does not react with the B subunit in CKMB. It shows minimal reactivity with other human serum proteins.Primary antibodies are available purified, or with a selection

Product Details

	of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	CKB
Alternative Name:	Creatine Kinase-BB
Background:	Synonyms: B-CK, BB-CK, creatine kinase-B, Creatine kinase B chain, CKBB creatine kinase B-type, creatine kinase, brain, CKBB, Brain creatine kinase, Creatine kinase B-type, Creatine Kinase BB Isoenzyme, Creatine kinase brain, Creatine phosphokinase BB Gene Symbol: CKB
Molecular Weight:	43 kDa (Monomer), 86 kDa (Dimer)
Gene ID:	1152
UniProt:	P12277

Application Details

Application Notes:	For coating for ELISA, order Ab without BSA. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 µg/mL for most applications, or 1 µg/million cells/100 µLfor flow cytometry
Comment:	Positive Control: Cerebellum
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months