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Datasheet for ABIN6169662 **anti-CPK antibody (CF®405S)**

Overview

Quantity:	100 µL
Target:	CPK
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CPK antibody is conjugated to CF®405S
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Mouse Monoclonal anti-Creatine Phosphokinase (2ba6), CF405S Conjugate
Immunogen:	Human CKBB protein
Clone:	2ba6
Isotype:	IgG1 kappa
Characteristics:	<p>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</p>

Product Details

with other human serum proteins Primary antibodies are available purified, or with a selection 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:	CPK
Alternative Name:	Creatine Phosphokinase (CPK Products)
Molecular Weight:	43 kDa (Monomer), 86 kDa (Dimer)
Gene ID:	1152, 173724
UniProt:	P12277

Application Details

Application Notes:	Immunohistology Frozen Only 0.5-1.0 µg/mL <ul style="list-style-type: none">Immunofluorescence 0.5-1 µg/mLFlow Cytometry 0.5-1 µg/million cells/0.1 mLPredicted to show broad species reactivityOptimal dilution for a specific application should be determined by user
Comment:	Cerebellum
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	100 µg/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 should be handled by trained staff only.
Handling Advice:	Protect from light