ARG55360
anti-CKB / Brain Creatine Kinase antibody [893CT29.1.1]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes CKB / Brain Creatine Kinase
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	893CT29.1.1
Isotype	IgG1
Target Name	CKB / Brain Creatine Kinase
Species	Human
Immunogen	Purified His-tagged Human CKB protein.
Conjugation	Un-conjugated
Alternate Names	Creatine kinase B-type; EC 2.7.3.2; BCK; B-CK; CKBB; Creatine kinase B chain; HEL-S-29; HEL-211

Application Instructions

Application table

Application	Dilution
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: MDA-MB-453

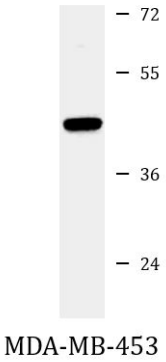
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 1152 Human GeneID: 12709 Mouse Swiss-port # P12277 Human Swiss-port # Q04447 Mouse
Gene Symbol	CKB
Gene Full Name	creatine kinase, brain
Background	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. A pseudogene of this gene has been characterized. [provided by RefSeq, Jul 2008]
Function	Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). 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. [UniProt]
Research Area	Cancer antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	43 kDa
Cellular Localization	Cytoplasm.

Images



ARG55360 anti-CKB / Brain Creatine Kinase antibody WB image

Western blot: 35 µg of MDA-MB-453 cell lysate stained with ARG55360 anti-CKB / Brain Creatine Kinase antibody.