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CKB Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CKB.
Catalog # AT1543a

Product Information

Application	WB, IF
Primary Accession	P12277
Other Accession	BC001190
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3D5-3D11
Calculated MW	42644

Additional Information

Gene ID	1152
Other Names	Creatine kinase B-type, B-CK, Creatine kinase B chain, CKB, CKBB
Target/Specificity	CKB (AAH01190, 1 a.a. ~ 381 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CKB Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

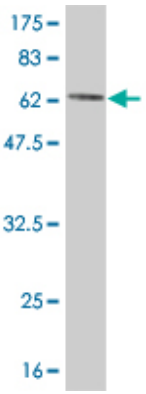
The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer 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.

References

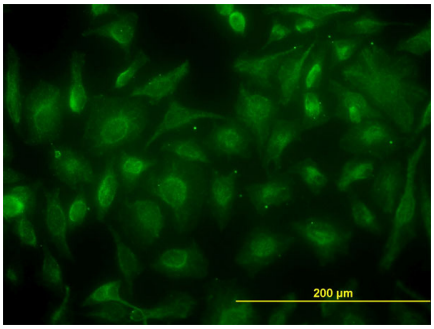
Reduced creatine kinase B activity in multiple sclerosis normal appearing white matter. Steen C, et al. PLoS One, 2010 May 25. PMID 20520825.Reduced creatine kinase as a central and peripheral biomarker in

Huntington's disease. Kim J, et al. Biochim Biophys Acta, 2010 Jul-Aug. PMID 20460152.Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.Proteome analysis of schizophrenia patients Wernicke's area reveals an energy metabolism dysregulation. Martins-de-Souza D, et al. BMC Psychiatry, 2009 Apr 30. PMID 19405953.Prefrontal cortex shotgun proteome analysis reveals altered calcium homeostasis and immune system imbalance in schizophrenia. Martins-de-Souza D, et al. Eur Arch Psychiatry Clin Neurosci, 2009 Apr. PMID 19165527.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (67.65 KDa) .



Immunofluorescence of monoclonal antibody to CKB on HeLa cell. [antibody concentration 30 ug/ml]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.