

Rabbit M-CK Polyclonal Antibody | anti-M-CK antibody

M-CK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323783	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

M-CK; Polyclonal Antibody; M-CK Antibody; CKM; CKMM; Creatine kinase M; Creatine kinase M chain; Creatine kinase M type; Creatine kinase M-type; Creatine kinase muscle; Creatine kinase; muscle type; KCRM_HUMAN; MCK; Muscle creatine kinase; anti-M-CK antibody

PRODUCT SPECIFICATIONS

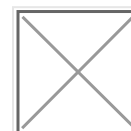
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	M-CK antibody detects endogenous levels of total M-CK
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	381
Applicable Applications for anti-M-CK antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (91%), Bovine (91%), Sheep (91%), Rabbit (91%), Dog (91%), Chicken (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA323783 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from HUVEC cells using M-CK antibody.



IF (Immunofluorescence)

AAA323783 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from mouse lung, rat brain, using M-CK Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-M-CK antibody

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.
Subunit Structure: Dimer of identical or non-identical chains, which can be either B (brain type) or M (muscle type). With MM being the major form in skeletal muscle and myocardium, MB existing in myocardium, and BB existing in many tissues, especially brain.
Similarity: Belongs to the ATP:guanido phosphotransferase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21536288
NCBI GeneID	1158
NCBI Accession #	NP_001815.2
NCBI GenBank Nucleotide #	NM_001824.4
UniProt Accession #	P06732 ; Q96QL9
Molecular Weight	Observed: 43 kD Predicted: 44 kDa
NCBI Official Full Name	creatine kinase M-type
NCBI Official Synonym Full Names	creatine kinase, M-type
NCBI Official Symbol	CKM
NCBI Official Synonym Symbols	CKMM; M-CK; CPK-M
NCBI Protein Information	creatine kinase M-type
UniProt Protein Name	Creatine kinase M-type
UniProt Gene Name	CKM
UniProt Synonym Gene Names	CKMM; CPK-M

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/m-ck-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/323783>