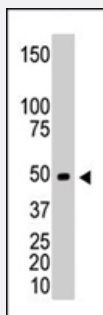


CKM polyclonal antibody

Catalog # PAB4619

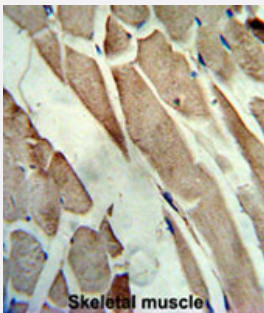
Size 400 uL

Applications



Western Blot (Cell lysate)

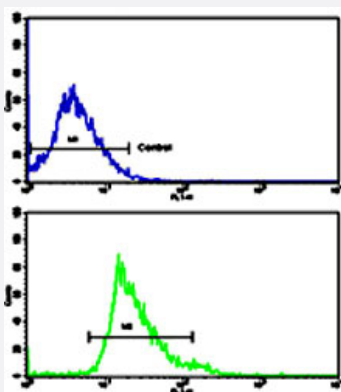
The CKM polyclonal antibody (Cat # PAB4619) is used in Western blot to detect CKM in C6 cell lysate .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human skeletal muscle reacted with CKM polyclonal antibody (Cat # PAB4619), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry

Flow cytometric analysis of HepG2 cells using CKM polyclonal antibody (Cat # PAB4619)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of CKM.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CKM.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

The CKM polyclonal antibody (Cat # PAB4619) is used in Western blot to detect CKM in C6 cell lysate .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human skeletal muscle reacted with CKM polyclonal antibody (Cat # PAB4619), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of HepG2 cells using CKM polyclonal antibody (Cat # PAB4619)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Gene Info — CKM

Entrez GeneID

[1158](#)

Protein Accession#	P06732
Gene Name	CKM
Gene Alias	CKMM, M-CK
Gene Description	creatine kinase, muscle
Omim ID	123310
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. [provided by RefSeq]
Other Designations	creatine kinase M chain creatine kinase-M muscle creatine kinase

Pathway

- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)

Disease

- [Body Weight](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Task Performance and Analysis](#)