

Creatine Kinase B (CK-BYK) [2E10]

Catalogue number: 160393

Sub-type:

Images:

Contributor

Inventor: BÄ?? Wieringa

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Creatine Kinase B (CK-BYK) [2E10]

Alternate name: CKBB, creatine phosphokinase, phosphocreatine kinase

Class: Monoclonal

Conjugate: Unconjugated

Description: Creatine kinase, also known as creatine phosphokinase or phosphocreatine kinase, is an enzyme expressed by various tissues and cell types. CK catalyses the conversion of creatine and uses adenosine triphosphate to create phosphocreatine and adenosine diphosphate. Subcellular partitioning of creatine kinase contributes to the formation of patterns in intracellular ATP distribution and the fuelling of cellular processes with a high and sudden energy demand. We have previously shown that brain-type creatine kinase (CK-B) accumulates at the phagocytic cup in macrophages where it is involved in the compartmentalized generation of ATP for actin remodeling.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2b

Reactivity: Human ; Mouse ; Rat ; Rabbit

Selectivity:

Host: Mouse

Immunogen: A synthetic 17-mer peptide corresponding to a unique sequence in the amino-terminal region of human creatine kinase B

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Brain-type creatine kinase

Target alternate names:

Target background: Creatine kinase, also known as creatine phosphokinase or phosphocreatine kinase, is an enzyme expressed by various tissues and cell types. CK catalyses the conversion of creatine and uses adenosine triphosphate to create phosphocreatine and adenosine diphosphate. Subcellular partitioning of creatine kinase contributes to the formation of patterns in intracellular ATP distribution and the fuelling of cellular processes with a high and sudden energy demand. We have previously shown that brain-type creatine kinase (CK-B) accumulates at the phagocytic cup in macrophages where it is involved in the compartmentalized generation of ATP for actin remodeling.

Molecular weight:

Ic50:

Applications

Application: WB ; EM ; IHC ; IF ; WB

Application notes:

Handling

Format: Liquid
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Zschiesche et al. 1995. Histochem Cell Biol. 103(2):147-56. PMID: 7634154.

CancerTools.org