

IHCeasy CKB Ready-To-Use IHC Kit

Catalog Number: **KHC0325**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human, Mouse, Rat
Cited Reactivity:

Assay type:
Immunohistochemistry
Primary antibody type:
Rabbit Polyclonal
Secondary antibody type:
Polymer-HRP-Goat anti-Rabbit

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

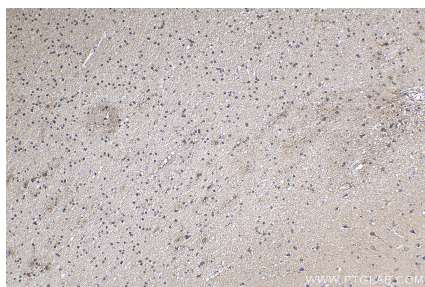
Background

CKB, also named as B-CK, is a member of the ATP:guanido phosphotransferase protein family. It is a cytoplasmic enzyme involved in energy homeostasis. CKB 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. CK isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa. It consists of a 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.

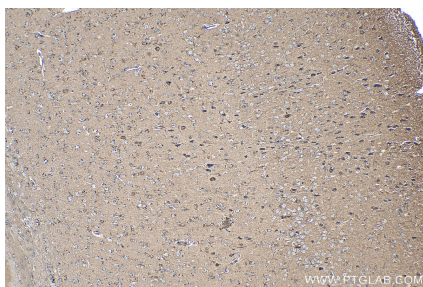
Synonyms

B CK, CKB, CKBB, CKB-Specific, Creatine kinase B chain, Creatine kinase B type, creatine kinase, brain

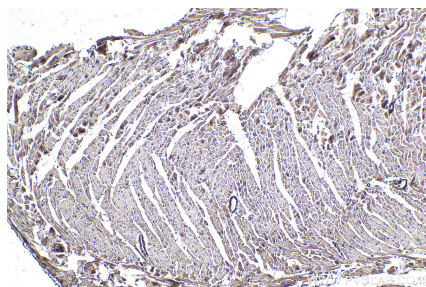
Selected Validation Data



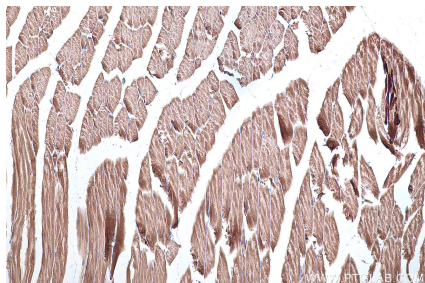
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using KHC0325 (CKBB IHC Kit).



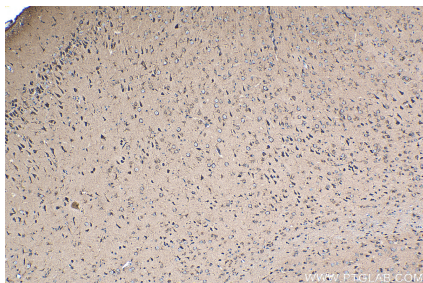
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC0325 (CKBB IHC Kit).



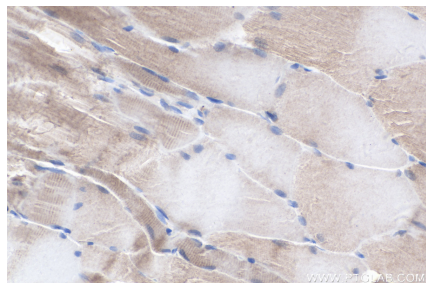
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC0325 (CKBB IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using KHC0325 (CKBB IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC0325 (CKBB IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using KHC0325 (CKBB IHC Kit).