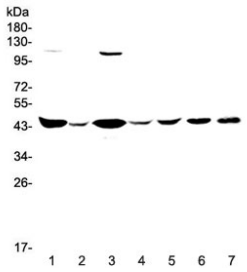
CKB Antibody / Creatine kinase B (RQ4327)

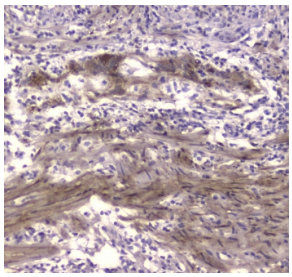
Catalog No.	Formulation	Size
RQ4327	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

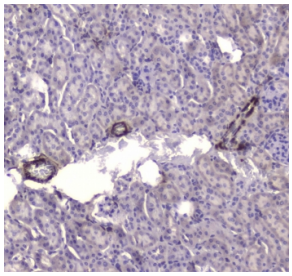
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P12277
Localization	Cytoplasm
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This CKB antibody is available for research use only.



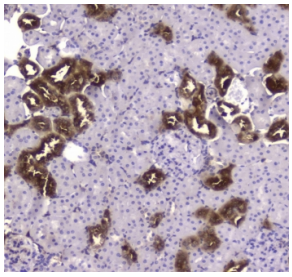
Western blot testing of human 1) HeLa, 2) placenta, 3) COLO-320, 4) SW620, 5) MDA-MB-231, 6) rat brain and 7) mouse brain lysate with CKB antibody at 0.5ug/ml. Predicted molecular weight ~43 kDa.



CKB Antibody Colon Cancer IHC. Immunohistochemistry testing of FFPE human colon cancer tissue with CKB antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



CKB Antibody Mouse Kidney IHC. Immunohistochemistry testing of FFPE mouse kidney tissue with CKB antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



CKB Antibody Rat Kidney IHC. Immunohistochemistry testing of FFPE rat kidney tissue with CKB antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

CKB Antibody detects Brain-type creatine kinase, also known as CK-BB, a creatine kinase that in humans is encoded by the CKB gene. 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.

This Creatine Kinase B Western Blot Antibody is part of a broader Creatine Kinase B antibody for WB panel offered by NSJ Bioreagents.

Application Notes

Optimal dilution of the CKB antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids H7-K381 was used as the immunogen for the CKB antibody.

Storage

After reconstitution, the CKB antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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