CKMT2 Antibody

PACO16041

Product Information

Size:

50ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:5000, WB:1:500-1:2000, IHC:1:100-1:300

Protein Background:

Mitochondrial creatine kinase (MtCK) is responsible for the transfer of high energy phosphate from mitochondria to the cytosolic carrier, creatine. It belongs to the creatine kinase isoenzyme family. It exists as two isoenzymes, sarcomeric MtCK and ubiquitous MtCK, encoded by separate genes. Mitochondrial creatine kinase occurs in two different oligomeric forms: dimers and octamers, in contrast to the exclusively dimeric cytosolic creatine kinase isoenzymes. Sarcomeric mitochondrial creatine kinase has 80% homology with the coding exons of ubiquitous mitochondrial creatine kinase. This gene contains sequences homologous to several motifs that are shared among some nuclear genes encoding mitochondrial proteins and thus may be essential for the coordinated activation of these genes during mitochondrial biogenesis. Three transcript variants encoding the same protein have been found for this gene.

Gene ID:

CKMT2

Uniprot

P17540

Synonyms:

creatine kinase, mitochondrial 2 (sarcomeric)

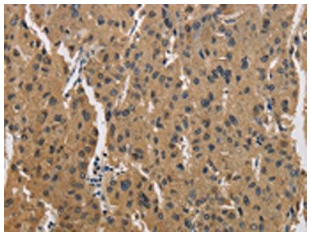
Immunogen:

Fusion protein of human CKMT2.

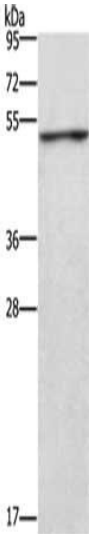
Storage:

-20° C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

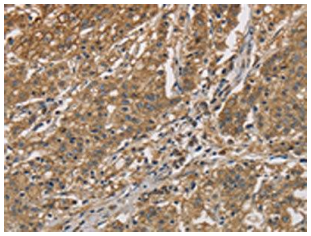
Product Images



The image is immunohistochemistry of paraffin-embedded Human liver cancer tissue using PACO16041(CKMT2 Antibody) at dilution 1/60. (Original magnification: x—200).



Gel: 8%SDS-PAGE, Lysate: 40 μ g, Lane: Jurkat cells, Primary antibody: PACO16041(CKMT2 Antibody) at dilution 1/700, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 10 seconds.



The image is immunohistochemistry of paraffin-embedded Human gastic cancer tissue using PACO16041(CKMT2 Antibody) at dilution 1/60. (Original magnification: x—200).

