

CKMT2 RABBIT PAB

Cat.#: S217291

Product Name: Anti-CKMT2 Rabbit Polyclonal Antibody

Synonyms: SMTCK

UNIPROT ID: P17540 (Gene Accession - BC029140)

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.

Immunogen: Fusion protein of human CKMT2

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 100-300;WB: 500-2000;ELISA: 2000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

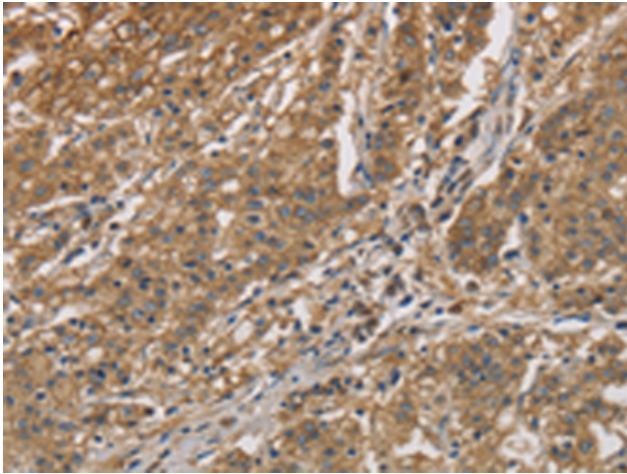
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

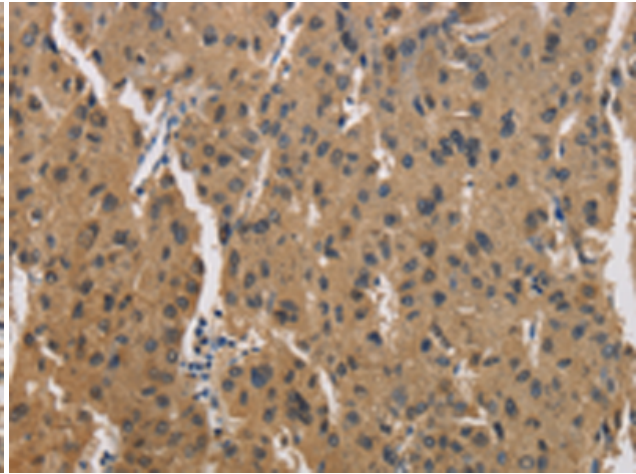
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism

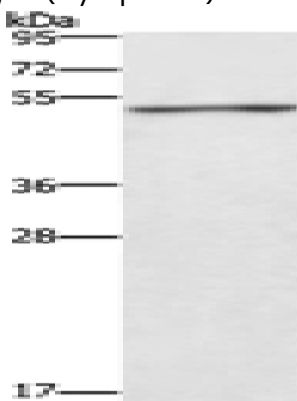
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human gastric cancer tissue using 217291(CKMT2 Antibody) at a dilution of 1/60(Cytoplasm).



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using 217291(Anti-CKMT2 Antibody) at a dilution of 1/60.



Gel: 8%SDS-PAGE, Lysate: 40 μ g;
Lane: Jurkat cells;
Primary antibody: 217291(CKMT2 Antibody) at dilution 1/700;
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
Exposure time: 10 seconds