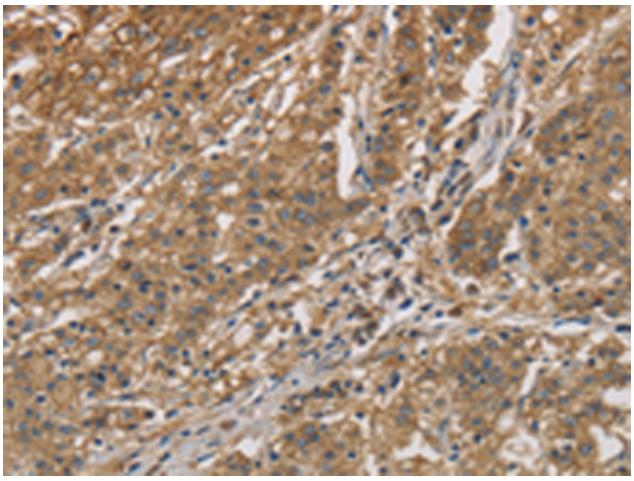
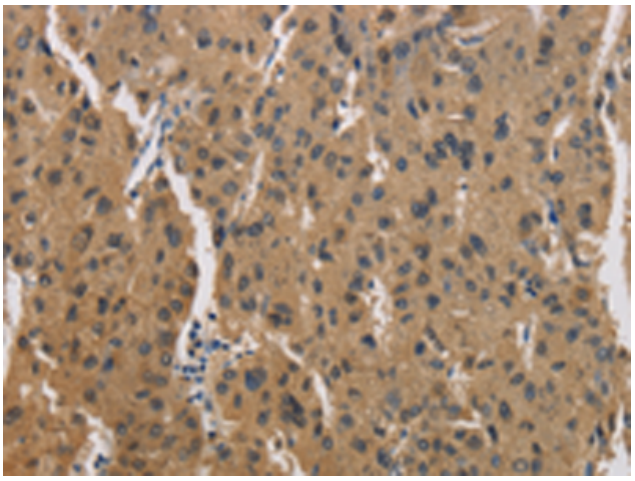
CKMT2 RABBIT PAB

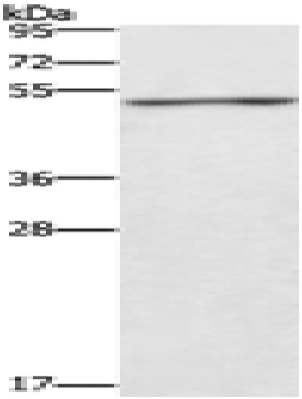
Cat.#: S217291
Product Name: Anti-CKMT2 Rabbit Polyclonal Antibody
Synonyms: SMTCK
UNIPROT ID: P17540 (Gene Accession - BC029140)
Background: Mitochondrial creatine kinase (MtCK) is responsible for the transfer of high energy phosphate from mitochondria to the cytosolic carrier, creatine. It belongs 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 gasrtic 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 µg;
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