CKMT2 (W262) polyclonal antibody

Catalog: BS2260 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

CKMT2 belongs to the creatine kinase isoenzyme family, and is responsible for the transfer of high energy phosphate from mitochondria to the cytosolic carrier, creatine. It exists as two isoenzymes, sarcomeric CKMT2 and ubiquitous CKMT2, which are 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.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 45 kDa

Swiss-Prot:

P17540

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IHC: 1:50~1:200

IF: 1:50~1:200

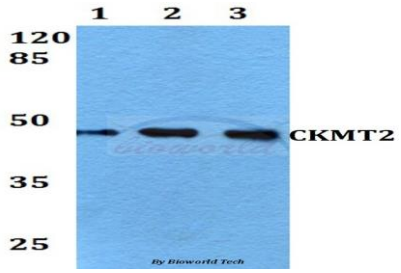
Storage&Stability:

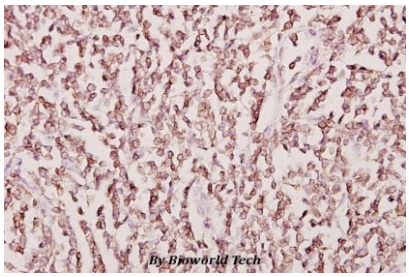
Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

CKMT2 (W262) polyclonal antibody detects endogenous levels of CKMT2 protein.

DATA:





Immunohistochemistry (IHC) analyzes of CKMT2/sMtCK (W262) pAb in paraffin-embedded human tonsil cancer tissue at 1:50.

Note:

For research use only, not for use in diagnostic procedure.

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