CKMT1 Antibody (YA794)

Cat. No.:	HY-P80620
Synonyms:	CKMT1 Antibody (YA794) is a non-conjugated and Mouse origined monoclonal antibody about 47 kDa, targeting to CKMT1 (1A6). It can be used for WB assays with tag free, in the background of Human, Mouse.
Host:	Mouse
Reactivity:	Human,Mouse
Conjugation:	Non-conjugated
SwissProt ID:	P12532
Research Field:	Tags & Cell Markers
Molecular Weight:	Predicted band size: 47 kDa

PROPERTIES

Formulation	Supplied in 1*PBS (pH 7.3), 50% glycerol and 0.5% BSA. Preservative: 0.02% sodium azide.
Purity	affinity purified
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Appearance	Liquid
Application & Dilution Ratio	

Application	Dilution Ratio
WB	1:500-1:1,000

Shipping	Shipping with blue ice.

DESCRIPTION

Background	CKMT1 (1A6): Mitochondrial creatine (MtCK) kinase 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. Many malignant cancers with poor prognosis have shown overexpression of ubiquitous mitochondrial creatine kinase; this may be related to high energy turnover and failure to eliminate cancer cells via apoptosis. Ubiquitous mitochondrial creatine kinase has 80% homology with the coding exons of sarcomeric mitochondrial creatine kinase. Two genes located near each other on chromosome 15 have been identified which encode identical mitochondrial creatine kinase proteins. [provided by RefSeq, Jul 2008]

Caution: Product has not been fully validated for medical applications. For research use only.

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