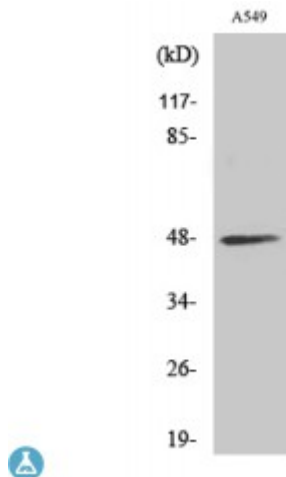


Anti-sMtCK antibody



Description	Rabbit polyclonal to sMtCK.
Model	STJ95712
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human sMtCK
Immunogen Region	200-280 aa, Internal
Gene ID	1160
Gene Symbol	CKMT2
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:40000
Specificity	sMtCK Polyclonal Antibody detects endogenous levels of sMtCK protein.
Tissue Specificity	Sarcomere-specific. Found only in heart and skeletal muscles.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Creatine kinase S-type, mitochondrial Basic-type mitochondrial creatine kinase Mib-CK Sarcomeric mitochondrial creatine kinase S-MtCK
Molecular Weight	48 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1996OMIM:123295
Alternative Names	Creatine kinase S-type, mitochondrial Basic-type mitochondrial creatine kinase Mib-CK Sarcomeric mitochondrial creatine kinase S-MtCK
Function	Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa.
Cellular Localization	Mitochondrion inner membrane. Peripheral membrane protein. Intermembrane side.