



TSSK6 mouse mAb

Catalog No	YP-mAb-12570
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TSSK6 SSTK FKSG82
Immunogen	Synthesized peptide derived from human TSSK6
Specificity	This antibody detects endogenous levels of TSSK6 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.61% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cancer/testis antigen 72;CT72;EC:2.7.11.1;Serine/threonine-protein kinase SSTK;Small;TSSK6;TSSK6 SSTK FKSG82;Testis-specific serine/threonine-protein kinase 6 (TSK-6) (TSSK-6) (Testis-specific kinase 6) (EC 2.7.11.1) (Cancer/testis antigen 72) (CT72) (Serine/threonine-protein kinase SSTK) (Small serine/threonine kinase)
Observed Band	30 kDa
Calculated Molecular Weight	30.3 kDa
Cell Pathway	nucleus,cytoplasm,
Tissue Specificity	Highly expressed in testis. Expressed at lower levels in colon, small intestine, ovary, prostate, thymus, spleen and peripheral blood leukocytes.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium.,function:Required for sperm production and function. Plays a role in DNA condensation during postmeiotic chromatin remodeling., PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with the heatshock proteins HSPCB, HSPA8 and HAPA1A. These interactions appear to be required for TSSK6 kinase activity., tissue specificity:Highly expressed in testis. Expressed at lower levels in human



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Background

This intronless gene encodes a member of the CAMK (calcium/calmodulin-dependent) serine/threonine protein kinase family. The encoded kinase has a broad expression pattern but is described as testis-specific due to effects on fertility. Male mice which lack the gene encoding a highly similar protein are sterile and have morphologically abnormal sperm. [provided by RefSeq, Jan 2012],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images