



Human TTK blocking peptide (CDBP1898)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-MPS1/RPS27 antibody
Antigen Description	This gene encodes a dual specificity protein kinase with the ability to phosphorylate tyrosine, serine and threonine. Associated with cell proliferation, this protein is essential for chromosome alignment at the centromere during mitosis and is required for centrosome duplication. It has been found to be a critical mitotic checkpoint protein for accurate segregation of chromosomes during mitosis. Tumorigenesis may occur when this protein fails to degrade and produces excess centrosomes resulting in aberrant mitotic spindles. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2009]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	TTK TTK protein kinase [Homo sapiens (human)]
Official Symbol	TTK
Synonyms	TTK; TTK protein kinase; ESK; PYT; CT96; MPH1; MPS1; MPS1L1; dual specificity protein

kinase TTK; cancer/testis antigen 96; monopolar spindle 1 kinase; monopolar spindle 1-like 1; phosphotyrosine picked threonine kinase; phosphotyrosine picked threonine-protein kinase;

Entrez Gene ID	7272
mRNA Refseq	NM_001166691.1
Protein Refseq	NP_001160163.1
UniProt ID	P33981
Chromosome Location	6q14.1
Pathway	Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; RB in Cancer, organism-specific biosystem;
Function	ATP binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity; protein tyrosine kinase activity;