



Rabbit Anti-Human TTK Polyclonal Antibody (CABT-L2209)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to TTK Protein Kinase (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against TTK. It has been selected for its ability to recognize TTK in immunohistochemical staining and western blotting.
Target	TTK
Immunogen	Recombinant fragment corresponding to human TTK (Gly532~Leu786)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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]
Keywords	MPS1;MPS1L1;CT96;PYT;Cancer/Testis Antigen 96;Phosphotyrosine picked threonine-protein kinase;Dual specificity protein kinase TTK

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
Protein Refseq	NP_001160163
UniProt ID	P33981
Chromosome Location	6q14.1
Pathway	Cell cycle; RB in Cancer;
Function	ATP binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity; protein tyrosine kinase activity;