

For Research Use Only

TTK Recombinant antibody

Catalog Number: 84744-1-RR



Basic Information

Catalog Number: 84744-1-RR	GenBank Accession Number: BC000633	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 7272	CloneNo.: 241873B2
Source: Rabbit	UNIPROT ID: P33981	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: TTK protein kinase	
Immunogen Catalog Number: AG20556	Calculated MW: 97 kDa	
	Observed MW: 97 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, DU 145 cells, MCF-7 cells
Species Specificity: human, mouse, rat	

Background Information

Mps1 family of kinases colocalizes with mitotic checkpoint proteins in kinetochores and/or spindle pole bodies/centrosomes. TTK has been shown to be a cell cycle-regulated kinase displaying maximum activity during M phase (PMID:15618221). Its kinase activity is required for proper chromosome segregation during mitosis through its involvements in microtubule-chromosome attachment error correction and the mitotic checkpoint (PMID:20937696). TTK mRNA is present at relatively high levels in testis and thymus, tissues which contain a large number of proliferating cells, but is not detected in most other benign tissues (PMID:1639825). It has 2 isoforms produced by alternative splicing (PMID:25137017).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

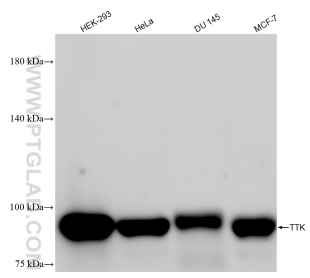
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Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 84744-1-RR (TTK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.