

Immunotag™ TTK (phospho Thr676) Polyclonal Antibody

Antibody Specification	
Catalog No.	ITP1062
Product Description	Immunotag™ TTK (phospho Thr676) Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TTK (Thr676)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p,ELISA
Recommended Dilution	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human TTK around the phosphorylation site of Thr676. AA range:642-691
Specificity	Phospho-TTK (T676) Polyclonal Antibody detects endogenous levels of TTK protein only when phosphorylated at T676.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	TTK
Accession No.	P33981 P35761
Alternate Names	TTK; MPS1; MPS1L1; Dual specificity protein kinase TTK; Phosphotyrosine picked threonine-protein kinase; PYT

Antibody Specification

Description	TTK protein kinase(TTK) Homo sapiens 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],
Cell Pathway/ Category	Cell_Cycle_G1S,Cell_Cycle_G2M_DNA,
Protein Expression	Epithelium,Eye,Testis,
Subcellular Localization	kinetochore,cytoplasm,spindle,membrane,
Protein Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Phosphorylates proteins on serine, threonine, and tyrosine. Probably associated with cell proliferation.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. Ser/Thr protein kinase family.,similarity:Contains 1 protein kinase domain.,tissue specificity:Present in rapidly proliferating cell lines.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.