



TTK (phospho Thr676) rabbit pAb

Cat No.:ES7458

For research use only

Overview

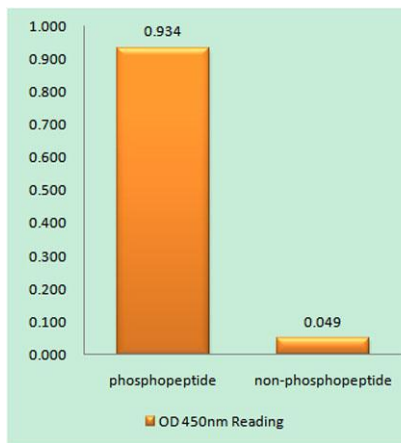
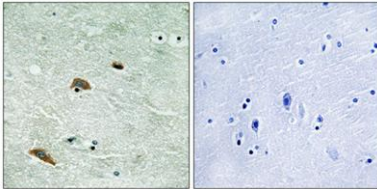
Product Name	TTK (phospho Thr676) rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide 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.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Dual specificity protein kinase TTK
Gene Name	TTK
Cellular localization	kinetochore,cytoplasm,spindle,membrane,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	7272
Human Swiss-Prot Number	P33981
Alternative Names	TTK; MPS1; MPS1L1; Dual specificity protein kinase TTK; Phosphotyrosine picked threonine-protein kinase; PYT
Background	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],

Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by i



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using TTK (Phospho-Thr676) Antibody

