

TTK(Phospho Thr676) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15229
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human TTK around the phosphorylation site of Thr676. AA range:642-691
Mol wt	97072
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Dual specificity protein kinase TTK
Synonyms	Dual specificity protein kinase TTK; TTK; MPS1; MPS1L1; Dual specificity protein kinase TTK; Phosphotyrosine picked threonine-protein kinase; PYT

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

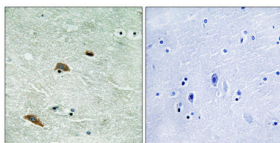
Recommended Dilution

IHC-p: 1: 100 - 1: 300

ELISA: 1: 20000

Not yet tested in other applications.

Images



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

Storage

-20°C for 1 year