

# **TTK Polyclonal Antibody**

### Description

Product type Primary Antibody

Code BT-AP09282

Host Rabbit

Isotype IgG

**Size** 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human TTK. AA range:642-691

Mol wt 97072

Species reactivity Human, Mouse

Clonality Polyclonal

Recommended application WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name TTK Antibody

Synonyms TTK; MPS1; MPS1L1; Dual specificity protein kinase TTK; Phosphotyrosine picked threonine-protein

kinase; PY'

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

#### Background

TTK (TTK protein kinase) 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.

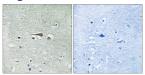
Alternative splicing results in multiple transcript variants.

## Recommended Dilution

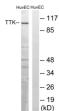
WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 ELISA: 1: 10000

Not yet tested in other applications.

#### **Images**



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using TTK Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells, treated with etoposide 25uM 24H, using TTK Antibody. The lane on the right is blocked with the synthesized peptide.

# Storage

-20°C for one year

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