
anti-TTK

Cat #: HM1386
Goat polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

TTK (MPS1) is a dual specificity protein kinase that modifies both serine/threonine and tyrosine residues. It was cloned by screening a T cell expression library with anti-phosphotyrosine antibodies. Similarly, the mouse homolog of TTK was isolated from an embryonal carcinoma (EC) cell line by expression cloning. 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. When cells are induced to enter the cell cycle, levels of TTK mRNA, protein and kinase activity increase at the G1 to S phase of the cell cycle and peak in the G2 to M phase, suggesting that TTK/Esk may function as cell cycle regulatory components.

SPECIFICITY

The antibody can be used in detecting TTK of mouse, rat and human origin in Western blotting, immunoprecipitation and immunohistochemistry.

Molecular Weight of TTK: 97 kDa.

IMMUNOGEN

A peptide corresponding to the carboxy terminus of human TTK.

STORAGE

This antibody is stable for 24 months when stored at 2-8°C.

REFERENCES

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