

Anti-TK1(Thymidine kinase, cytosolic) Polyclonal Antibody

Cat. #: 60B804

Description:

The activation of TK1 may be critical to modulate the radiation-induced cell death and cell cycle progression in irradiated K562 cells. Two forms of TK1 have been identified in animal cells, one in cytosol and one in mitochondria. Activity of the cytosolic enzyme is high in proliferating cells and peaks during the S-phase of the cell cycle; it is very low in resting cells.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human TK1 (Thymidine kinase, cytosolic)

References

Kreidberg, J.A. and Kelly, T.J., Mol. Cell. Biol. 6 (8), 2903-2909 (1986)
Chang, Z.F., et al, J. Biol. Chem. 273 (20), 12095-12100 (1998)
Mao, Y., et al, Oncol. Rep. 13 (5), 837-846 (2005)
Jeong, M.H., et al, Cell Res. 14 (4), 295-302 (2004)

Clone Number:

Isotype:

Species: Human

Storage and Stability: at -20°C

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1 µg/ml for 2hrs)