

Thymidine Kinase(Phospho Ser13) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14944
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human TK around the phosphorylation site of Ser13. AA range:1-50
Mol wt	25469
Species reactivity	Human, Mouse, Rat, Pig
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	l mg/ml
Full name	Thymidine kinase cytosolic
Synonyms	Thymidine kinase cytosolic; TK1; Thymidine kinase; cytosolic

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

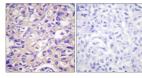
Background

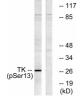
Catalytic activity:ATP + thymidine = ADP + thymidine 5'-phosphate.,miscellaneous:Two forms have been identified in animal cells, one in cytosol and one in mitochondria. Activity of the cytosolic enzyme is high in proliferating cells and peaks during the S-phase of the cell cycle; it is very low in resting cells.,PTM:Phosphorylated on Ser-13 in mitosis.,Belongs to the thymidine kinase family.,

Recommended Dilution

WB: 1: 500 - 1: 2000 IHC-p: 1: 100 - 1: 300 ELISA: 1: 5000 Not yet tested in other applications.

Images





Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using TK (Phospho-Ser13) Antibody. The picture on the right is blocked with the phospho peptide.

Western blot analysis of lysates from HeLa cells treated with paclitaxel 1uM 24h, using TK (Phospho-Ser13) Antibody. The lane on the right is blocked with the phospho peptide.

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