

Thymidine Kinase (phospho Ser13) Polyclonal Antibody

Catalog No: #13479

Package Size: #13479-1 50ul #13479-2 100ul

Description

Product Name	Thymidine Kinase (phospho Ser13) Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB,IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human,Mouse,Rat,Pig(Test by out customer)
Specificity	Phospho-Thymidine Kinase (S13) Polyclonal Antibody detects endogenous levels of Thymidine Kinase protein only when phosphorylated at S13.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human TK around the phosphorylation site of Ser13. AA range:1-50
Conjugates	Unconjugated
Other Names	TK1; Thymidine kinase; cytosolic
Accession No.	Swiss Prot:P04183GenelD:7083
SDS-PAGE MW	25
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

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.,similarity:Belongs to the thymidine kinase family.,

Note: This product is for in vitro research use only and is not intended for use in humans or animals.