
Product Name: Thymidine Kinase Rabbit Polyclonal Antibody**Catalog #: APRab18900**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
Molecular Weight	25kDa

Antigen Information

Gene Name	TK1
Alternative Names	TK1; Thymidine kinase; cytosolic
Gene ID	7083.0
SwissProt ID	P04183
Immunogen	The antiserum was produced against synthesized peptide derived from human TK. AA range:1-50

Background

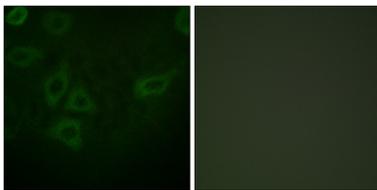
catalytic activity:ATP + thymidine = ADP + thymidine 5'-phosphate.,miscellaneous:Two forms have been identified in animal

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.,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.,

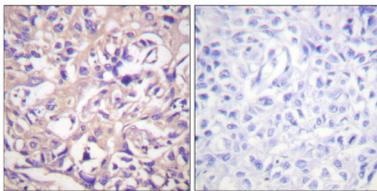
Research Area

Pyrimidine metabolism;Drug metabolism;

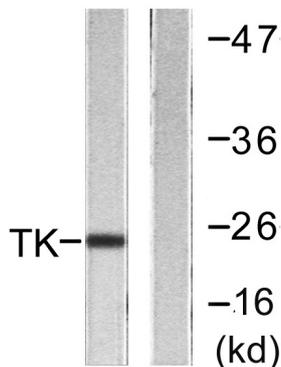
Image Data



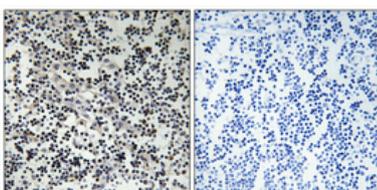
Immunofluorescence analysis of HepG2 cells, using TK Antibody. The picture on the right is blocked with the synthesized peptide.



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



Western blot analysis of lysates from COLO205 cells, using TK Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.