

Product Name: Thymidine Kinase Rabbit Polyclonal Antibody
Catalog #: APRab18899

Summary

Production Name	Thymidine Kinase Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P
Reactivity	Human,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	TK1
Alternative Names	TK1; Thymidine kinase; cytosolic
Gene ID	7083.0
SwissProt ID	P04183.The antiserum was produced against synthesized peptide derived from human KITH. AA range:161-210

Application

Dilution Ratio	WB 1:500-2000, IHC-P 1:50-300
Molecular Weight	25kDa

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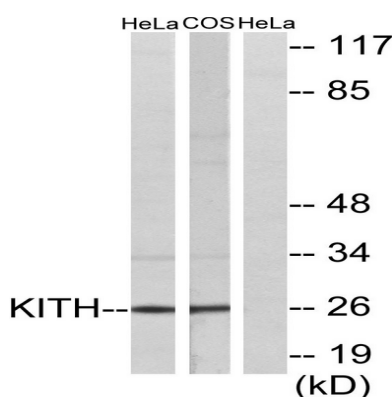
Background

catalytic activity: $\text{ATP} + \text{thymidine} = \text{ADP} + \text{thymidine 5'-phosphate}$., 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: $\text{ATP} + \text{thymidine} = \text{ADP} + \text{thymidine 5'-phosphate}$., 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.,

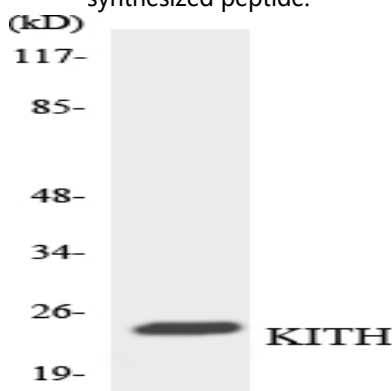
Research Area

Pyrimidine metabolism; Drug metabolism;

Image Data



Western blot analysis of lysates from HeLa and COS7 cells, using KITH Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from RAW264.7 cells using KITH antibody.

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Note

For research use only.