

Thymidine Kinase Polyclonal Antibody

Catalog No :	YT4647
Reactivity :	Human;Monkey
Applications :	WB;IHC
Target :	Thymidine Kinase
Fields :	>>Pyrimidine metabolism;>>Drug metabolism - other enzymes;>>Metabolic pathways;>>Nucleotide metabolism
Gene Name :	TK1
Protein Name :	Thymidine kinase cytosolic
Human Gene Id :	7083
Human Swiss Prot No :	P04183
Mouse Swiss Prot No :	P04184
Immunogen :	The antiserum was produced against synthesized peptide derived from human KITH. AA range:161-210
Specificity :	Thymidine Kinase Polyclonal Antibody detects endogenous levels of Thymidine Kinase protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 25kD

Cell Pathway : Pyrimidine metabolism; Drug metabolism;

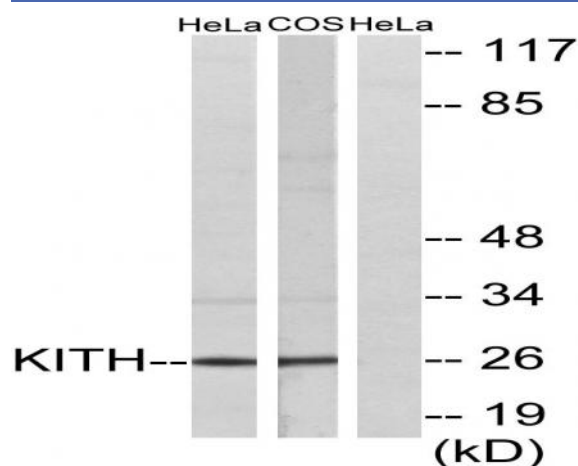
Background : catalytic activity: ATP + thymidine = ADP + thymidine
5'-phosphate., miscellaneous: Two forms have been identified in animal cells, one in cytosol and one in mitochondria. Activity of the cytosolic enzyme is high in proliferating cells and peaks during the S-phase of the cell cycle; it is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

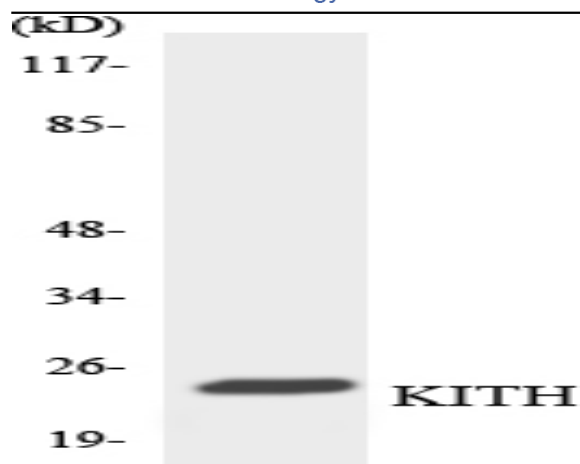
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Subcellular Location : Cytoplasm.

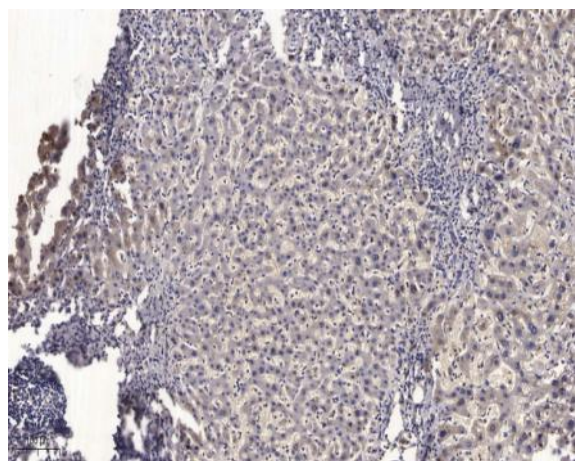
Expression : Epithelium, Lymph, Skin, Uterus,

Products Images





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



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200 (4° overnight). 2, Tris-EDTA, pH 9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).