

产品名称: Thymidine Kinase Rabbit Polyclonal Antibody
产品货号: APRab18900



产品概述 (Summary)

产品名称 (Production Name)	Thymidine Kinase Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	25kDa

研究背景 (Background)

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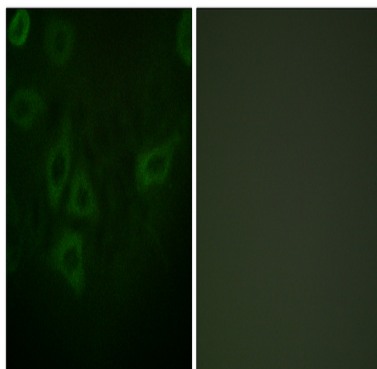


catalytic activity: $\text{ATP} + \text{thymidine} = \text{ADP} + \text{thymidine 5'-phosphate}$.,miscellaneous:Two forms have been identified in animal cells, one in cytosol and one in mitochondria. Activity of the cytosolic enzyme is high in proliferating cells and peaks during the S-phase of the cell 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.,

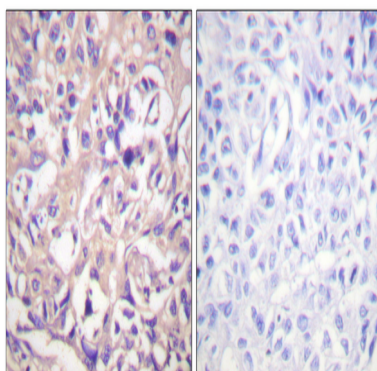
研究领域 (Research Area)

Pyrimidine metabolism;Drug metabolism;

图片 (Image Data)

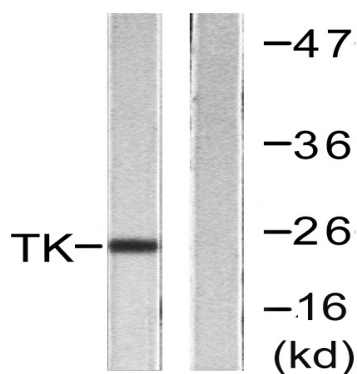


Immunofluorescence analysis of HepG2 cells, using TK Antibody. The picture on the right is blocked with the synthesized peptide.

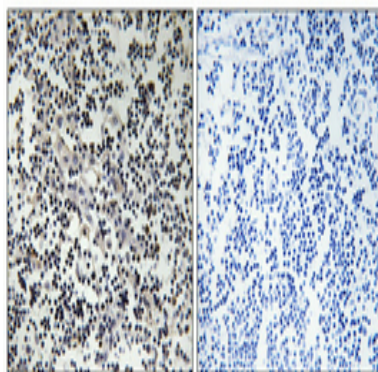


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using TK Antibody. The picture on the right is blocked with the synthesized peptide.

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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, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .