



Thymidine Kinase (phospho Ser13) Polyclonal Antibody

Catalog No	YP-Ab-14455
Isotype	IgG
Reactivity	Human;Mouse;Rat;Pig(Test by out customer)
Applications	WB;IHC;IF;ELISA
Gene Name	TK1
Immunogen	The antiserum was produced against synthesized peptide derived from human TK around the phosphorylation site of Ser13. AA range:1-50
Specificity	Phospho-Thymidine Kinase (S13) Polyclonal Antibody detects endogenous levels of Thymidine Kinase protein only when phosphorylated at S13.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:2.7.1.21;TK 1;TK 2;Tk1a;Tk1b;Thymidine Kinase;TK1;Thymidine kinase cytosolic;cytosolic
Observed Band	25kD
Calculated Molecular Weight	25kD
Cell Pathway	Cytoplasm.
Tissue Specificity	Epithelium,Lymph,Skin,Uterus,
Function	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.,



Background

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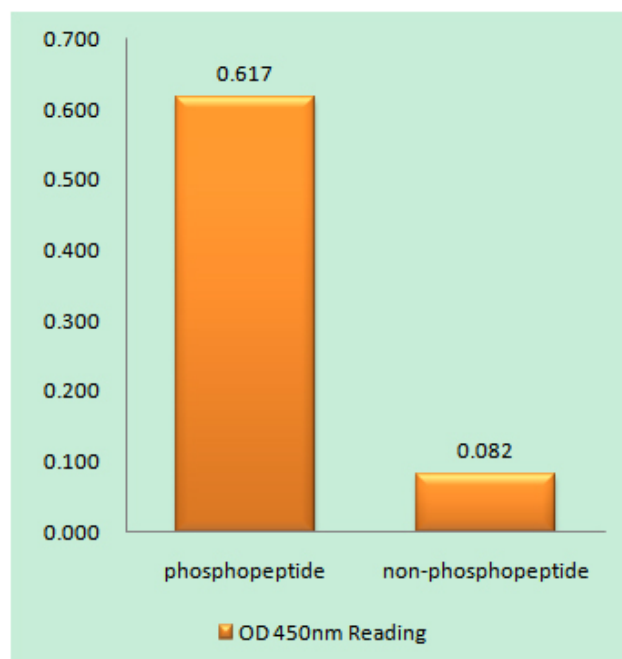
matters needing attention

Avoid repeated freezing and thawing!

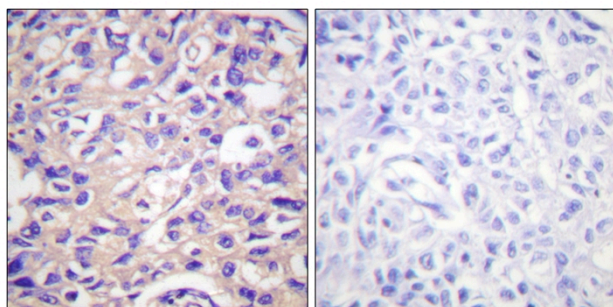
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

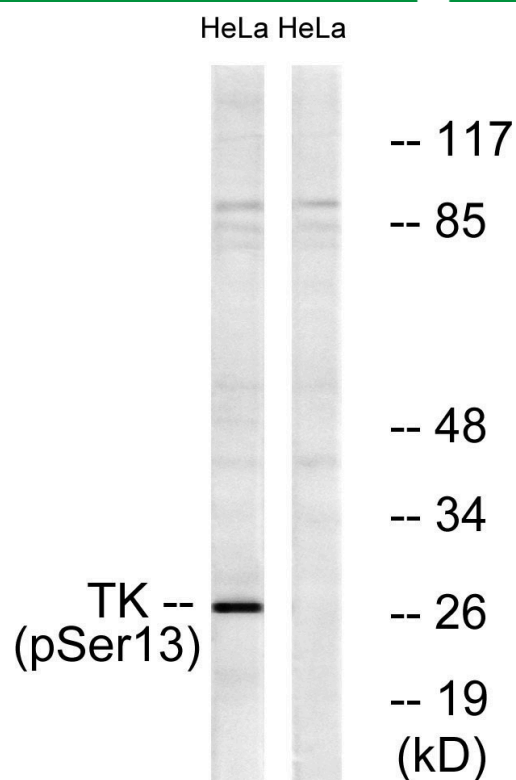
Products Images



Enzyme-Linked Immunosorbent Assay
 (Phospho-ELISA) for Immunogen Phosphopeptide
 (Phospho-left) and Non-Phosphopeptide
 (Phospho-right), using TK (Phospho-Ser13) Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using TK (Phospho-Ser13) Antibody. The picture on the right is blocked with the phosphopeptide.



Western blot analysis of lysates from HeLa cells treated with paclitaxel 1uM 24h, using TK (Phospho-Ser13) Antibody. The lane on the right is blocked with the phospho peptide.