Anti- TK (Phospho-Ser13) Polyclonal Antibody

Catalog No.	Size
A100080-01	50 µl
A100080-02	100 µl

Specificity	Anti- TK (Phospho-Ser13) (human mouse)
Source	Rabbit Polyclonal
Application	WB ELISA IHC
Form	Liquid, 1 mg/ml

Pruduct

Swiss-Prot No.: P04183

Other Names: EC 2.7.1.21, KITH, TK-1, TK1, Thymidine kinase, cytosolic

Specificity and Sensitivity

TK (Phospho-Ser13) antibody detects endogenous levels of TK only when phosphorylated at serine 13.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human TK around the phosphorylation site of serine 13 (P-G-S^{P}-P-S).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000 IHC: 1:50~1:100

ELISA: 1:5000

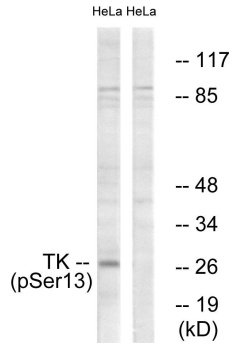
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

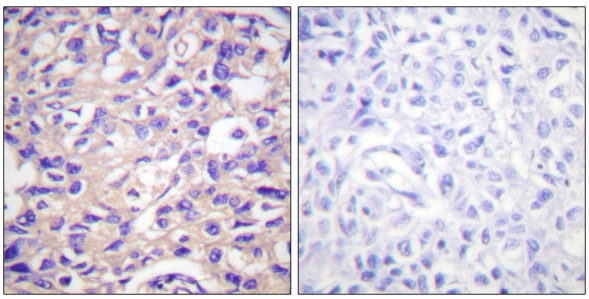
Images



paclitaxel + +

P-peptide - +

Western blot analysis of extracts from HeLa cells, treated with paclitaxel (1uM, 24hours), using TK (Phospho-Ser13) antibody.



P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using TK (Phospho-Ser13) antibody.

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