

## TK (phospho-S13) polyclonal antibody

Catalog: BCP01651

Host: Rabbit

Reactivity: Human

### BackGround:

Thymidine Kinase (TK1) is a highly conserved phosphotransferase that is present in most living cells. Thymidine Kinase catalyzes the phosphorylation reaction: deoxythymidine + ATP = deoxythymidine 5'-phosphate + ADP; it is thus involved in the reaction chain to introduce deoxythymidine into the DNA. Thymidine kinase is required for the action of many antiviral drugs, such as azidothymidine (AZT), and is also used to select hybridoma cell lines in the production of monoclonal antibodies. Thymidine Kinase has many clinical applications as it is only present in anticipation of cell division.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 25 kDa

### Swiss-Prot:

P04183

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

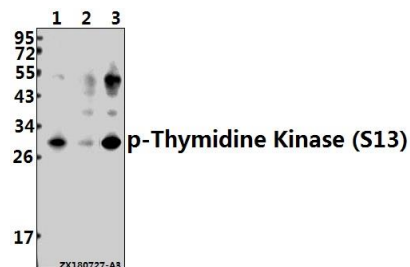
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

TK (phospho-S13) polyclonal antibody detects endogenous levels of Thymidine Kinase protein only when phosphorylated at Ser13.

### DATA:

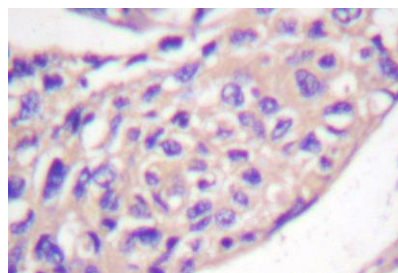


Western blot (WB) analysis of p-Thymidine Kinase (S13) pAb at 1:500 dilution

Lane1:Myla2059 whole cell lysate(40ug)

Lane2:HuT78 whole cell lysate(40ug)

Lane3:K562 whole cell lysate(40ug)



### Note:

For research use only, not for use in diagnostic procedure.