

**Thymidine Kinase 1 polyclonal antibody**

Catalog: BS7269

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The protein encoded by this gene is a cytosolic enzyme that catalyzes the addition of a gamma-phosphate group to thymidine. This creates dTMP and is the first step in the biosynthesis of dTTP, which is one component required for DNA replication. The encoded protein, whose levels fluctuate depending on the cell cycle stage, can act as a low activity dimer or a high activity tetramer. High levels of this protein have been used as a biomarker for diagnosing and categorizing many types of cancers.

Product:

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

Molecular Weight:

26KDa

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 - 1:2000|IHC,1:50 - 1:200|IF/ICC,1:50 - 1:200

Storage&Stability:

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

Category:

Polyclonal Antibodies

DATA:

Western blot analysis of extracts of various cell lines, using Thymidine Kinase 1 antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit .
Exposure time: 180s.

Immunohistochemistry of paraffin-embedded human liver cancer using Thymidine Kinase 1 Rabbit pAb at dilution of 1:100 .Perform micro-wave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunofluorescence analysis of HeLa cells using Thymidine Kinase 1 Rabbit pAb at dilution of 1:150 . Blue: DAPI for nuclear staining.

Immunofluorescence analysis of MCF7 cells using Thymidine Kinase 1 Rabbit pAb at dilution of 1:150 . Blue: DAPI for nuclear staining.

Note:

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

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