



## Rabbit anti TK1 (Thymidine Kinase) Polyclonal Antibody

Alternative Name(s): thymidine kinase 1, soluble

### Order Information

- **Description:** TK1 (Thymidine Kinase)
- **Catalogue:** 601-690
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Drosph

### **ANTIGEN PREPARATION**

A synthetic peptide corresponding to the N-terminus of fruit fly thymidine kinase protein.

### **BACKGROUND**

Deoxynucleoside kinases (dNK) are key enzymes in deoxyribonucleoside salvage, activating several clinically important chemotherapeutic drugs. Deoxynucleoside kinases catalyze the phosphorylation of deoxyribonucleosides to yield corresponding monophosphates (dNMPs). This family consists of various deoxynucleoside kinases including deoxyribocytidine kinase (dCK), deoxyriboguanosine kinase (dGK), cytosolic thymidine kinase (TK1) and mitochondrial thymidine kinase (TK2).

### **PURIFICATION**

The Rabbit IgG is purified by Epitope Affinity Purification

### **FORMULATION**

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes ~26 kDa of TK1 protein. The other species are not tested.

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

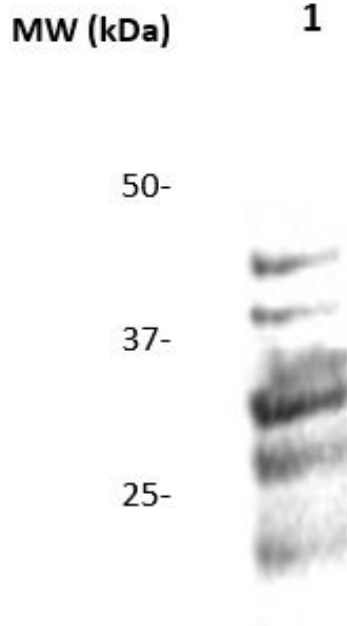
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 26.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

\*Optimal dilutions should be determined by researchers for the specific applications.

### **FOR RESEARCH USE ONLY.**

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**DATA ATTACHMENTS**



Western Blot: The tissue extract derived from fruit fly was immunoblotted by Rabbit anti TK1 (Cat#601-690) at 1:500. An immunoreactive band is observed ~26 kDa.

**REFERENCES**

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