

# TPK1 Rabbit pAb

Catalog No.: A4634

## Basic Information

### Observed MW

27kDa

### Calculated MW

27kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

## Background

The protein encoded by this gene functions as a homodimer and catalyzes the conversion of thiamine to thiamine pyrophosphate, a cofactor for some enzymes of the glycolytic and energy production pathways. Defects in this gene are a cause of thiamine metabolism dysfunction syndrome-5.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

27010

### Swiss Prot

Q9H354

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-243 of human TPK1 (NP\_071890.2).

### Synonyms

PP20; HTPK1; THMD5; TPK1

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

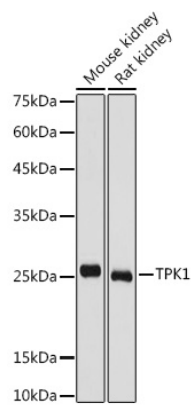
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

# Validation Data



Western blot analysis of extracts of various cell lines, using TPk1 antibody (A4634) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.