

Datasheet for ABIN3029189  
**anti-TLK2 antibody (AA 141-171)**

## 3 Images

[Go to Product page](#)

## Overview

Quantity:	0.4 mL
Target:	TLK2
Binding Specificity:	AA 141-171
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	A portion of amino acids 141-171 from the human protein was used as the immunogen for this TLK2 antibody.
Isotype:	Ig Fraction
Purification:	Purified

## Target Details

Target:	TLK2
Alternative Name:	TLK2 ( <a href="#">TLK2 Products</a> )
Background:	TLK2, a member of the Ser/Thr protein kinase family, is rapidly and transiently inhibited by phosphorylation following the generation of DNA double-stranded breaks during S-phase. This is cell cycle checkpoint and ATM-pathway dependent and appears to regulate processes

## Target Details

involved in chromatin assembly. The TLK2 enzyme is cell-cycle regulated, with maximal activity in S-phase. It is inactivated by phosphorylation at Ser-750, potentially by CHK1. TLK2 heterodimerizes with TLK1. This nuclear protein is widely expressed, with presence in fetal placenta, liver, kidney, pancreas, heart and skeletal muscle tissues, and in several adult cell lines.

UniProt: [Q86UE8](#)

## Application Details

Application Notes: Titration of the TLK2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

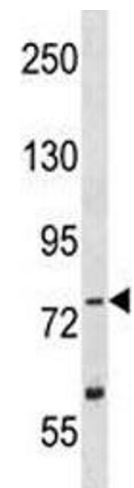
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

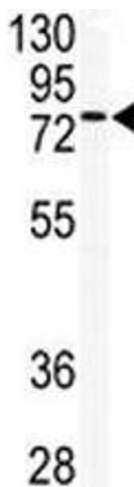
Storage: -20 °C

Storage Comment: Aliquot the TLK2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



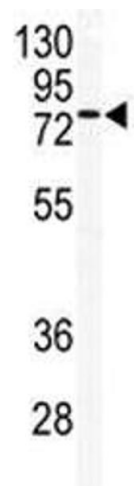
**Western Blotting**

**Image 1.** TLK2 antibody western blot analysis in Y79 lysate



**Western Blotting**

**Image 2.** Western blot analysis of TLK2 antibody and mouse testis tissue lysate.



**Western Blotting**

**Image 3.** Western blot analysis of TLK2 antibody and mouse testis tissue lysate.