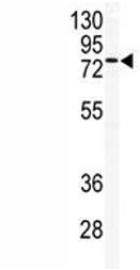
# TLK2 Antibody (F40173)

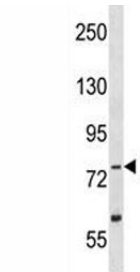
| Catalog No. | Formulation | Size |
|---|---|---|
| F40173-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F40173-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Purified |
| **UniProt** | Q86UE8 |
| **Applications** | Western blot: 1:1000 |
| **Limitations** | This TLK2 antibody is available for research use only. |




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




TLK2 antibody western blot analysis in Y79 lysate

## Description

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 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.

## Application Notes

Titration of the TLK2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 141-171 from the human protein was used as the immunogen for this TLK2 antibody.

## Storage

Aliquot the TLK2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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