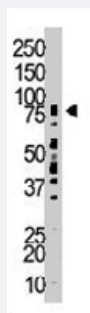


# TLK2 polyclonal antibody

Catalog # PAB3319

Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of TLK2 polyclonal antibody (Cat # PAB3319) in A-375 cell lysate. TLK2 (Arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

## Specification

|                            |                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of TLK2.                                                   |
| <b>Immunogen</b>           | A synthetic peptide (conjugated with KLH) corresponding to internal region of human TLK2.                              |
| <b>Host</b>                | Rabbit                                                                                                                 |
| <b>Reactivity</b>          | Human                                                                                                                  |
| <b>Form</b>                | Liquid                                                                                                                 |
| <b>Purification</b>        | Protein G purification                                                                                                 |
| <b>Recommend Usage</b>     | Western Blot (1:1000)<br>The optimal working dilution should be determined by the end user.                            |
| <b>Storage Buffer</b>      | In PBS (0.09% sodium azide)                                                                                            |
| <b>Storage Instruction</b> | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                 |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

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## Gene Info — TLK2

|                    |                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">11011</a>                                                                                                                                                                   |
| Protein Accession# | <a href="#">Q9UKI7</a>                                                                                                                                                                  |
| Gene Name          | TLK2                                                                                                                                                                                    |
| Gene Alias         | MGC44450, PKU-ALPHA                                                                                                                                                                     |
| Gene Description   | tousled-like kinase 2                                                                                                                                                                   |
| Omim ID            | <a href="#">608439</a>                                                                                                                                                                  |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                               |
| Gene Summary       | The Tousled-like kinases, first described in Arabidopsis, are nuclear serine/threonine kinases that are potentially involved in the regulation of chromatin assembly.[supplied by OMIM] |
| Other Designations | serine/threonine kinase                                                                                                                                                                 |

## Publication Reference

- [Human Tousled like kinases are targeted by an ATM- and Chk1-dependent DNA damage checkpoint.](#)

Groth A, Lukas J, Nigg EA, Sillje HH, Wernstedt C, Bartek J, Hansen K.

The EMBO Journal 2003 Apr; 22(7):1676.

Application: IP, WB-Tr, Human, AT fibroblasts, HCT-15, HeLa, HT-29, U-2 OS cells

- [Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.](#)

Strausberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD, Collins FS, Wagner L, Shenmen CM, Schuler GD, Altschul SF, Zeeberg B, Buetow KH, Schaefer CF, Bhat NK, Hopkins RF, Jordan H, Moore T, Max SI, Wang J, Hsieh F, Diatchenko L, Marusina K, Farmer AA, Rubin GM, Hong L, Stapleton M, Soares MB, Bonaldo MF, Casavant TL, Scheetz TE, Brownstein MJ, Ustin TB, Toshiyuki S, Carninci P, Prange C, Raha SS, Loquellano NA, Peters GJ, Abramson RD, Mullahy SJ, Bosak SA, McEwan PJ, McKernan KJ, Malek JA,

PNAS 2002 Dec; 99(26):16899.

- [Mammalian homologues of the plant Tousled gene code for cell-cycle-regulated kinases with maximal activities linked to ongoing DNA replication.](#)

Sillje HH, Takahashi K, Tanaka K, Van Houwe G, Nigg EA.

The EMBO Journal 1999 Oct; 18(20):5691.

Application: IF, IP, KA, WB-Ce, WB-Re, Human, HeLa cells, Recombinant protein, U2-OS cells

## Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Pancreatic Neoplasms](#)
- [Tobacco Use Disorder](#)