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# TLK1 Antibody (C-term) Blocking Peptide

**Synthetic peptide**
**Catalog # BP8101b**

## Specification

### TLK1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9UKI8

### TLK1 Antibody (C-term) Blocking Peptide - Additional Information

**Gene ID** 9874

**Other Names**
Serine/threonine-protein kinase tousled-like 1, PKU-beta, Tousled-like kinase 1, TLK1, KIAA0137

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody <a href=/product/products/AP8101b>AP8101b</a> was selected from the C-term region of human TLK1 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### TLK1 Antibody (C-term) Blocking Peptide - Protein Information

**Name** TLK1

**Synonyms** KIAA0137

**Function**
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. Isoform 3 phosphorylates and enhances the stability of the t-SNARE SNAP23, augmenting its assembly with syntaxin. Isoform 3 protects the cells from the ionizing radiation by facilitating the repair of DSBs. In vitro, phosphorylates histone H3 at 'Ser-10'.

**Cellular Location**
Nucleus

**Tissue Location**
Widely expressed. Present in fetal placenta, liver, kidney and pancreas but not heart or skeletal muscle. Also found in adult cell lines. Isoform 3 is ubiquitously expressed in all tissues examined.

## TLK1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

## TLK1 Antibody (C-term) Blocking Peptide - Images

## TLK1 Antibody (C-term) Blocking Peptide - Background

The Tousled-like kinases, first described in Arabadopsis, are nuclear serine/threonine kinases that are potentially involved in the regulation of chromatin assembly.[supplied by OMIM]

## TLK1 Antibody (C-term) Blocking Peptide - References

Krause, D.R., et al., Oncogene 22(38):5927-5937 (2003).Cabaniols, J.P., et al., Mol. Biol. Cell 10(12):4033-4041 (1999).Sillje, H.H., et al., EMBO J. 18(20):5691-5702 (1999).Yamakawa, A., et al., Gene 202 (1-2), 193-201 (1997).