

**TLK1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51568****Specification**

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**TLK1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9UKI8</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87 KDa
Antigen Region	181 - 240

**TLK1 Antibody - Additional Information****Gene ID** 9874**Other Names**

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

**Target/Specificity**

KLH conjugated synthetic peptide derived from human TLK1

**Dilution**

WB~~ 1:1000

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**TLK1 Antibody - 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

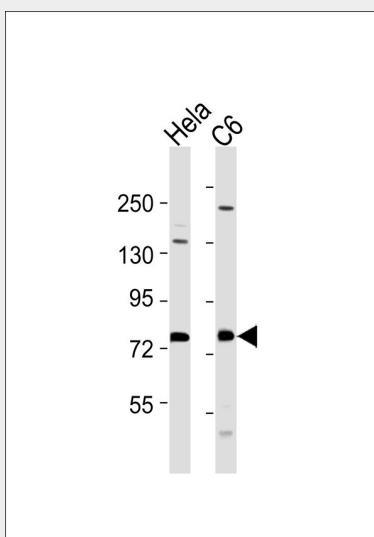
Widely expressed. Present in fetal placenta, liver, kidney and pancreas but not heart or skeletal muscle. Also found in adult cell lines. Isoform 3 is ubiquitously expressed in all tissues examined.

#### TLK1 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### TLK1 Antibody - Images



All lanes : Anti-TLK1 Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: C6 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 87 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### TLK1 Antibody - Background

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#### TLK1 Antibody - References

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