10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TLK1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51854

Specification

TLK1 Antibody - Product Information

Application	**WB, E**
Primary Accession	Q9UKI8
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**86 KDa**

TLK1 Antibody - Additional Information

Gene ID 9874

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

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.

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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 Cytomety
- Cell Culture

TLK1 Antibody - Images

TLK1 Antibody - Background

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TLK1 Antibody - References

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