

Rabbit anti-Human TLK1 Polyclonal Antibody | anti-TLK1 antibody

Anti-TLK1 Antibody, Rabbit Polyclonal

CATALOG # AAA254427	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Western Blot
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PRODUCT SYNONYMS

TLK1; Polyclonal Antibody; Anti-TLK1 Antibody; Rabbit Polyclonal; TLK1 Antibody; Rabbit PAb; Antigen Affinity Purified; tousled like kinase 1; Anti-KIAA0137 Antibody; Anti-PKU-beta Antibody; anti-TLK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TLK1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TLK1 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human TLK1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human TLK1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

TLK1 was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate; Lane B: 0.5 mg K562 Whole Cell Lysate; 4 uL anti-TLK1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein G. Primary antibody: Anti-TLK1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 87 kDa. Observed band size: 87 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of TLK1 in HeLa cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-human TLK1 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to nucleus.



Anti-TLK1 rabbit polyclonal antibody at 1:500 dilution Lane A: 293T Whole Cell Lysate Lane B: K562 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit and IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 87 kDa Observed band size: 87 kDa (We are unsure as to the identity of these extra bands).

Related Product Information for anti-TLK1 antibody

Tousled-like kinase 1 (or protein kinase ubiquitous, PKU-beta/TLK1) is a serine/threonine protein kinase that is implicated in chromatin remodeling, DNA replication and mitosis. TLK1 has a function important for proper chromosome segregation and maintenance of diploid cells at mitosis in mammalian cells that could be mediated by reduced phosphorylation of histone H3 and condensation of chromosomes, although other explanations to the phenotype are possible.

References

Sillje H.H.W., et al., 2001, *Curr. Biol.* 11:1068-73. Beausoleil S.A., et al., 2004, *Proc. Natl. Acad. Sci. USA.* 101:12130-5. Oppermann F.S., et al., 2009, *Mol. Cell. Proteomics* 8:1751-64. Mayya V., et al., 2009, *Sci. Signal.* 2:RA46-RA46.

NCBI GI

211971036

NCBI GeneID

9874

NCBI Accession

NP 001130026.1

NCBI GenBank Nucleotide

NM 001136554.1

UniProt Accession

O9UKI8: O14I50: O8N59I: O9NYH2: O9Y4F6: B3KR15: B4DX87

Molecular Weight

86,700 Da

NCBI Official Full Name

serine/threonine-protein kinase tousled-like 1 isoform 2

NCBI Official Synonym Full Names

tousled-like kinase 1

NCBI Official Symbol

TLK1

NCBI Official Synonym Symbols

PKU-beta

NCBI Protein Information

serine/threonine-protein kinase tousled-like 1: SNARE protein kinase SNAK: serine threonine protein kinase

UniProt Protein Name

Serine/threonine-protein kinase tousled-like 1

UniProt Gene Name

TLK1

UniProt Synonym Gene Names

KIAA0137

UniProt Entry Name

TLK1 HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tk1-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-western-blot-elisa/254427>