

TLK2 Polyclonal Antibody
Catalog # AP72857**Specification**

TLK2 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q86UE8
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

TLK2 Polyclonal Antibody - Additional Information**Gene ID** 11011**Other Names**

TLK2; Serine/threonine-protein kinase tousled-like 2; HsHPK; PKU-alpha; Tousled-like kinase 2

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

TLK2 Polyclonal Antibody - Protein Information**Name** TLK2 ([HGNC:11842](#))**Function**

Serine/threonine-protein kinase involved in the process of chromatin assembly and probably also DNA replication, transcription, repair, and chromosome segregation (PubMed:10523312, PubMed:11470414, PubMed:12660173, PubMed:12955071, PubMed:29955062, PubMed:33323470, PubMed:9427565). Phosphorylates the chromatin assembly factors ASF1A and ASF1B (PubMed:11470414, PubMed:20016786, PubMed:29955062, PubMed:35136069). Phosphorylation of ASF1A prevents its proteasome-mediated degradation, thereby enhancing chromatin assembly (PubMed:20016786).

target="_blank">20016786). Negative regulator of amino acid starvation-induced autophagy (PubMed:22354037).

Cellular Location

Nucleus. Nucleus, nucleoplasm. Cytoplasm, perinuclear region. Cytoplasm, cytoskeleton.

Note=Colocalizes with the cytoplasmic intermediate filament system during the G1 phase of the cell cycle (PubMed:10455159). Present in the perinuclear region at S phase and in the nucleus at late G2 (PubMed:10455159)

Tissue Location

Detected in placenta, fetal liver, kidney, pancreas, heart and skeletal muscle (PubMed:9427565).

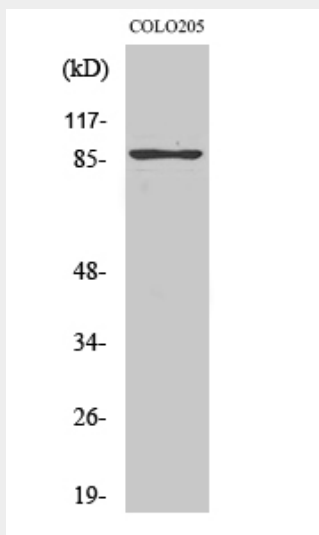
Highly expressed in testis (PubMed:9427565, PubMed:9662073). Detected in spleen, thymus, colon, ovary, small intestine, prostate and peripheral blood leukocytes (PubMed:9662073). Almost undetectable in liver and lung (PubMed:9662073).

TLK2 Polyclonal 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](#)

TLK2 Polyclonal Antibody - Images



Western Blot analysis of various cells using TLK2 Polyclonal Antibody. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

TLK2 Polyclonal Antibody - Background

Serine/threonine-protein kinase involved in the process of chromatin assembly and probably also

DNA replication, transcription, repair, and chromosome segregation. Phosphorylates the chromatin assembly factors ASF1A AND ASF1B. Phosphorylation of ASF1A prevents its proteasome-mediated degradation, thereby enhancing chromatin assembly. Negative regulator of amino acid starvation-induced autophagy.