

产品名称: TLK2 Rabbit Polyclonal Antibody
产品货号: APRab18983



产品概述 (Summary)

产品名称 (Production Name)	TLK2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	TLK2
别名 (Alternative Names)	TLK2; Serine/threonine-protein kinase tousled-like 2; HsHPK; PKU-alpha; Tousled-like kinase 2
基因 ID (Gene ID)	11011.0
蛋白 ID (SwissProt ID)	Q86UE8.The antiserum was produced against synthesized peptide derived from human TLK2. AA range:191-240

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
蛋白分子量 (Molecular Weight)	90kDa

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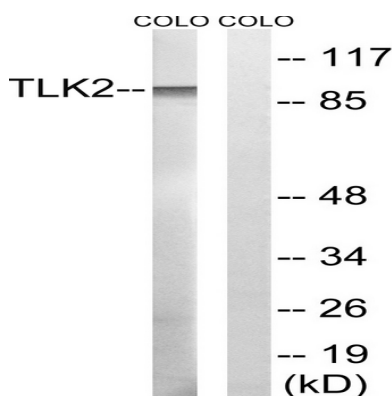
研究背景 (Background)

This gene encodes a nuclear serine/threonine kinase that was first identified in Arabidopsis. The encoded protein is thought to function in the regulation of chromatin assembly in the S phase of the cell cycle by regulating the levels of a histone H3/H4 chaperone. This protein is associated with double-strand break repair of DNA damage caused by radiation. Pseudogenes of this gene are present on chromosomes 10 and 17. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013], catalytic activity: ATP + a protein = ADP + a phosphoprotein., cofactor: Magnesium., enzyme regulation: Cell-cycle regulated, maximal activity in S-phase. Inactivated by phosphorylation at Ser-750, potentially by CHK1., 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., similarity: Belongs to the protein kinase superfamily. Ser/Thr protein kinase family., similarity: Contains 1 protein kinase domain., subunit: Heterodimerizes with TLK1. Interacts with ASF1A and ASF1B., tissue specificity: Widely expressed. Present in fetal placenta, liver, kidney, pancreas, heart and skeletal muscle. Also found in adult cell lines.,

研究领域 (Research Area)

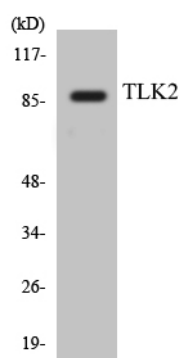
Cell Biology; Cell Cycle; Kinases/Phosphatases; Epigenetics and Nuclear Signaling; Chromosome Structure; Chromatin assembly

图片 (Image Data)

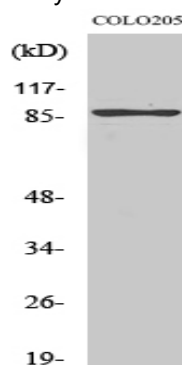


Western blot analysis of lysates from COLO cells, using TLK2 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from HeLa cells using TLK2 antibody.



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, Inventbiotech, MN, USA) .

注意事项 (Note)

For research use only .