

Rabbit anti-Human, Mouse TLK2 Polyclonal Antibody | anti-TLK2 antibody

TLK2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325126	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

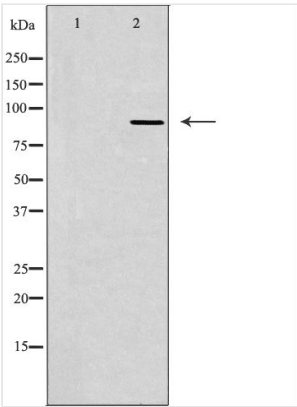
PRODUCT SYNONYMS

TLK2; Polyclonal Antibody; TLK2 Antibody; MGC44450; PKU alpha; PKU-alpha; Serine/threonine kinase; Serine/threonine protein kinase tousled like 2; Serine/threonine-protein kinase tousled-like 2; TLK 2; tlk2; TLK2_HUMAN; Tousled like kinase 2; Tousled-like kinase 2; anti-TLK2 antibody

PRODUCT SPECIFICATIONS

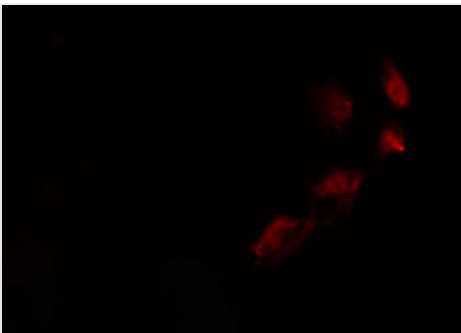
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	TLK2 antibody detects endogenous levels of total TLK2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	772
Applicable Applications for anti-TLK2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Ubiquitous. Detected in placenta, fetal liver, kidney, pancreas, heart and skeletal muscle. Highly expressed in testis. Detected in spleen, thymus, colon, ovary, small intestine, prostate and peripheral blood leukocytes.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from COLO cells, using TLK2 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325126 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TLK2 antibody	Function: 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. Subunit Structure: Monomer and heterodimer with TLK1. Interacts with ASF1A and ASF1B. Association with 14-3-3 proteins such as YWHAZ regulates subcellular location. May also interact with FEZ1/LZTS1 and FEZ2. Post-translational Modifications: Phosphorylated at Ser-750, probably by CHEK1. Similarity: Belongs to the protein kinase superfamily. Ser/Thr protein kinase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	547235496
NCBI GeneID	11011
NCBI Accession #	NP_001271262.1
NCBI GenBank Nucleotide #	NM_001284333.1
UniProt Accession #	Q86UE8; Q9UKI7; Q9Y4F7; D3DU07
Molecular Weight	Observed: 90 kD Predicted: 88 kDa
NCBI Official Full Name	serine/threonine-protein kinase tousled-like 2 isoform C
NCBI Official Synonym Full Names	tousled like kinase 2
NCBI Official Symbol	TLK2
NCBI Official Synonym Symbols	HsHPK; MRD57; PKU-ALPHA
NCBI Protein Information	serine/threonine-protein kinase tousled-like 2
UniProt Protein Name	Serine/threonine-protein kinase tousled-like 2
UniProt Gene Name	TLK2

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.