

Rabbit anti-Human, Mouse CLK1 Polyclonal Antibody | anti-CLK1 antibody

CLK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323892	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CLK1; Polyclonal Antibody; CLK1 Antibody; CDC like kinase 1; CDC-like kinase 1; CDC28/CDC2 like kinase; CLK; CLK/STY; Clk1; CLK1_HUMAN; Dual specificity protein kinase CLK1; Protein tyrosine kinase STY; STY; anti-CLK1 antibody

PRODUCT SPECIFICATIONS

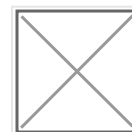
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CLK1 antibody detects endogenous levels of total CLK1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	526
Applicable Applications for anti-CLK1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Endothelial cells.
Predicted Cross Reactivity	Rabbit, Dog
Similarity	Rabbit (88%), Dog (89%)
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 293 cells, using CLK1 antibody.



IF (Immunofluorescence)

AAA323892 staining 293 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-CLK1 antibody	Function: Dual specificity kinase acting on both serine/threonine and tyrosine-containing substrates. Phosphorylates serine-and arginine-rich (SR) proteins of the spliceosomal complex and may be a constituent of a network of regulatory mechanisms that enable SR proteins to control RNA splicing. Phosphorylates: SRSF1, SRSF3 and PTPN1. Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells and adenovirus E1A pre-mRNA. Subunit Structure: Interacts with PPIG and UBL5. Post-translational Modifications: Autophosphorylates on all three types of residues. Similarity: Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. Lammer subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	241666392
NCBI GeneID	1195
NCBI Accession #	NP_001155879.1
NCBI GenBank Nucleotide #	NM_001162407.1
UniProt Accession #	P49759; Q0P694; Q8N5V8; B4DFW7
Molecular Weight	Observed: 57 kD Predicted: 58 kDa
NCBI Official Full Name	dual specificity protein kinase CLK1 isoform 2
NCBI Official Synonym Full Names	CDC like kinase 1
NCBI Official Symbol	CLK1
NCBI Official Synonym Symbols	CLK; STY; CLK/STY
NCBI Protein Information	dual specificity protein kinase CLK1
UniProt Protein Name	Dual specificity protein kinase CLK1
UniProt Gene Name	CLK1
UniProt Synonym Gene Names	CLK

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.