

## CLK1 Polyclonal Antibody

<b>Catalog No :</b>	YT0971
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	CLK1
<b>Fields :</b>	>>Legionellosis
<b>Gene Name :</b>	CLK1
<b>Protein Name :</b>	Dual specificity protein kinase CLK1
<b>Human Gene Id :</b>	1195
<b>Human Swiss Prot No :</b>	P49759
<b>Mouse Gene Id :</b>	12747
<b>Mouse Swiss Prot No :</b>	P22518
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human CLK1. AA range:101-150
<b>Specificity :</b>	CLK1 Polyclonal Antibody detects endogenous levels of CLK1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

**Observed Band :** 57kD

**Background :** CDC like kinase 1 (CLK1) Homo sapiens This gene encodes a member of the CDC2-like (or LAMMER) family of dual specificity protein kinases. In the nucleus, the encoded protein phosphorylates serine/arginine-rich proteins involved in pre-mRNA processing, releasing them into the nucleoplasm. The choice of splice sites during pre-mRNA processing may be regulated by the concentration of transacting factors, including serine/arginine rich proteins. Therefore, the encoded protein may play an indirect role in governing splice site selection. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2009],

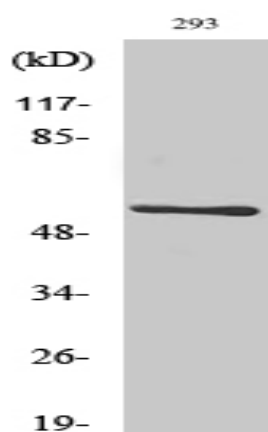
**Function :** catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Phosphorylates serine- and arginine-rich (SR) proteins of the spliceosomal complex may be a constituent of a network of regulatory mechanisms that enable SR proteins to control RNA splicing. Phosphorylates serines, threonines and tyrosines.,PTM:Autophosphorylates on all three types of residues.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. Lammer subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with PPIG.,

**Subcellular Location :** Nucleus.

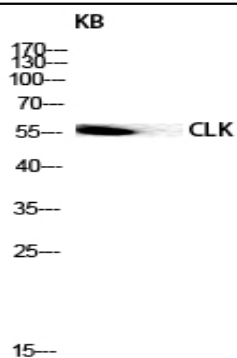
**Expression :** Endothelial cells.

**Sort :** 4287

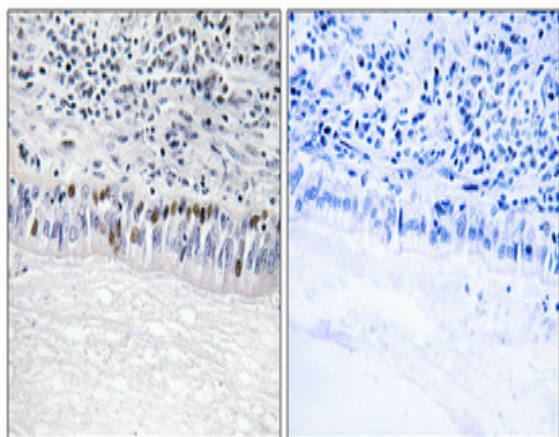
## Products Images



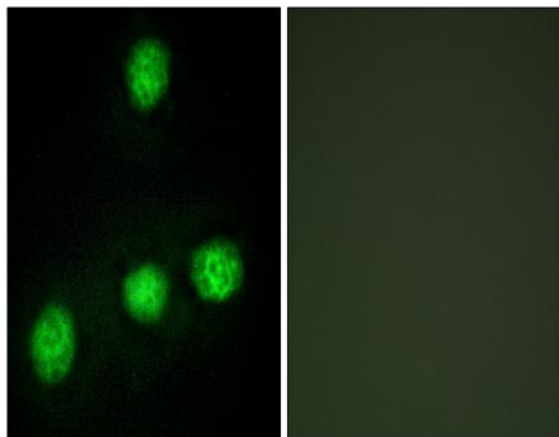
Western Blot analysis of various cells using CLK1 Polyclonal Antibody diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



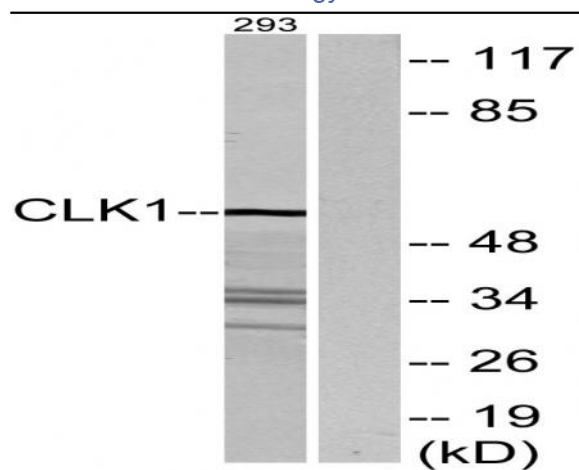
Western blot analysis of KB lysis using CLK1 antibody. Antibody was diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of HUVEC cells, using CLK1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 cells, using CLK1 Antibody. The lane on the right is blocked with the synthesized peptide.