



# CLK4 Monoclonal Antibody

<b>Catalog No</b>	BYmab-14711
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	CLK4
<b>Protein Name</b>	Dual specificity protein kinase CLK4
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CLK4. AA range:101-150
<b>Specificity</b>	CLK4 Monoclonal Antibody detects endogenous levels of CLK4 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CLK4; Dual specificity protein kinase CLK4; CDC-like kinase 4
<b>Observed Band</b>	65kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Expressed in liver, kidney, heart, muscle, brain and endothelial cells.
<b>Function</b>	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. Required for the regulation of alternative splicing of MAPT/TAU.,PTM:Autophosphorylates on all three types of residues.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. Lammer subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with UBL5.,tissue specificity:Expressed in liver, kidney, heart, muscle and brain.,

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### Background

CDC like kinase 4(CLK4) Homo sapiens The protein encoded by this gene belongs to the CDC2-like protein kinase (CLK) family. This protein kinase can interact with and phosphorylate the serine- and arginine-rich (SR) proteins, which are known to play an important role in the formation of spliceosomes, and thus may be involved in the regulation of alternative splicing. Studies in the Israeli sand rat *Psammomys obesus* suggested that the ubiquitin-like 5 (UBL5/BEACON), a highly conserved ubiquitin-like protein, may interact with and regulate the activity of this kinase. Multiple alternatively spliced transcript variants have been observed, but the full-length natures of which have not yet been determined. [provided by RefSeq, Jul 2008],

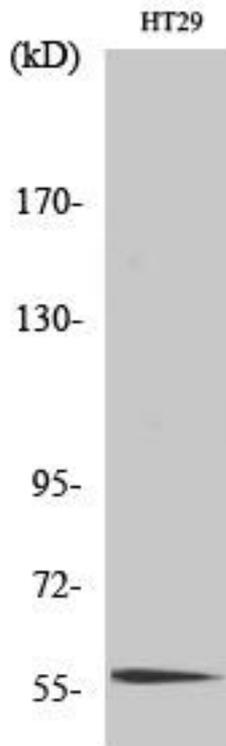
### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using CLK4 Monoclonal Antibody