



# Anti-CLK4 monoclonal antibody (DCABH-11051)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 <i>Psammomys obesus</i> 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.
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<b>Immunogen</b>	A synthetic peptide of human CLK4 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">CLK4 CDC-like kinase 4 [ Homo sapiens ]</a>
Official Symbol	CLK4
Synonyms	CLK4; CDC-like kinase 4; dual specificity protein kinase CLK4; protein serine threonine kinase Clk4; DKFZp686A20267;
Entrez Gene ID	<a href="#">57396</a>
Protein Refseq	<a href="#">NP_065717</a>
UniProt ID	<a href="#">Q9HAZ1</a>
Chromosome Location	5q35
Pathway	mRNA processing, organism-specific biosystem.
Function	ATP binding; nucleotide binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity; protein tyrosine kinase activity;