

# Anti-CLK4 Antibody

Rabbit polyclonal antibody to CLK4  
Catalog # AP60889

## Product Information

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<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">Q9HAZ1</a>
<b>Other Accession</b>	<a href="#">O35493</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	57492

## Additional Information

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<b>Gene ID</b>	57396
<b>Other Names</b>	Dual specificity protein kinase CLK4; CDC-like kinase 4
<b>Target/Specificity</b>	Recognizes endogenous levels of CLK4 protein.
<b>Dilution</b>	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/100) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/100)
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	CLK4
<b>Function</b>	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 and SRSF3. Required for the regulation of alternative splicing of MAPT/TAU. Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells.
<b>Cellular Location</b>	Nucleus.
<b>Tissue Location</b>	Expressed in liver, kidney, heart, muscle, brain and endothelial cells.

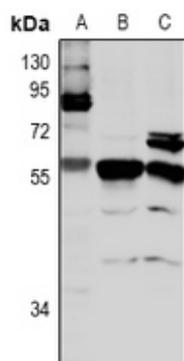
## Background

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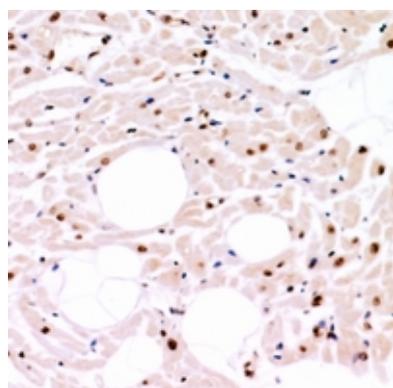
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CLK4. The exact sequence is proprietary.

## Images

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Western blot analysis of CLK4 expression in HCT116 (A), rat brain (B), mouse brain (C) whole cell lysates.



Immunohistochemical analysis of CLK4 staining in human heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.