

Anti-CLK4 Antibody
Rabbit polyclonal antibody to CLK4
Catalog # AP60889**Specification**

Anti-CLK4 Antibody - Product Information

Application	WB, IHC
Primary Accession	O9HAZ1
Other Accession	O35493
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57492

Anti-CLK4 Antibody - Additional Information**Gene ID** 57396**Other Names**

Dual specificity protein kinase CLK4; CDC-like kinase 4

Target/Specificity

Recognizes endogenous levels of CLK4 protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/100)

IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-CLK4 Antibody - Protein Information**Name** CLK4**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 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.

Cellular Location

Nucleus.

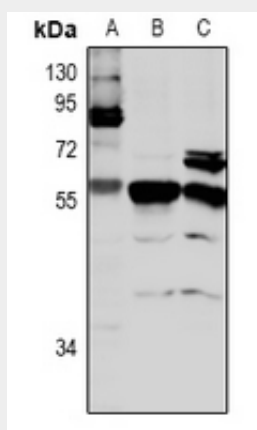
Tissue Location

Expressed in liver, kidney, heart, muscle, brain and endothelial cells.

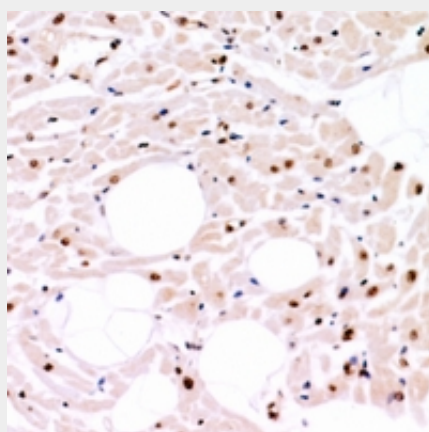
Anti-CLK4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CLK4 Antibody - Images

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.

Anti-CLK4 Antibody - Background

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