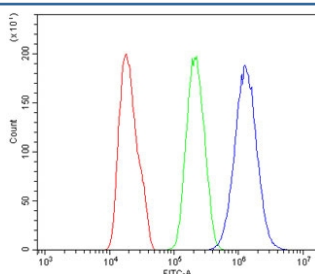


## CLK2 Antibody (RQ5967)

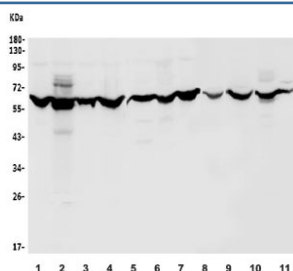
Catalog No.	Formulation	Size
RQ5967	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P49760
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This CLK2 antibody is available for research use only.



Flow cytometry testing of human PC-3 cells with CLK2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CLK2 antibody.



Western blot testing of human 1) HeLa, 2) U-2 OS, 3) PC-3, 4) 22RV1, 5) A549, 6) COLO-320, 7) SW620, 8) rat brain, 9) rat RH35, 10) mouse HEPA1-6 and 11) mouse NIH 3T3 lysate with CLK2 antibody. Predicted molecular weight ~60 kDa.

## Description

Dual specificity protein kinase CLK2 is an enzyme that in humans is encoded by the CLK2 gene. It is mapped to 1q22. This gene encodes a dual specificity protein kinase that phosphorylates serine/threonine and tyrosine-containing substrates. Activity of this protein regulates serine- and arginine-rich (SR) proteins of the spliceosomal complex, thereby influencing alternative transcript splicing. Chromosomal translocations have been characterized between this locus and the PAFAH1B3 (platelet-activating factor acetylhydrolase 1b, catalytic subunit 3 (29kDa)) gene on chromosome 19, resulting in the production of a fusion protein. Note that this gene is distinct from the Telo2 gene (GeneID:9894), which shares the CLK2 alias, but encodes a protein that is involved in telomere length regulation. There is a pseudogene for this gene on chromosome 7. Alternative splicing results in multiple transcript variants.

## Application Notes

Optimal dilution of the CLK2 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids A140-D496) was used as the immunogen for the CLK2 antibody.

## Storage

After reconstitution, the CLK2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.