

# CIKS Antibody

Lot Number: RC2170412

Product Data Sheet

## Tested Species Reactivity

Human (Hu)

## Tested Applications

Tested Applications	Dilution *
Western Blot (WB)	1 µg/ml
Immunofluorescence (IF)	20 µg/ml
Immunocytochemistry (ICC)	20 µg/ml
Immunohistochemistry (IHC)	5 µg/ml

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

## Details

<b>Catalog Number:</b>	PA5-19989
<b>Size:</b>	100 µg
<b>Class:</b>	Polyclonal
<b>Type:</b>	Antibody
<b>Clone:</b>	
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	A synthetic peptide corresponding to amino acids 2 to 15 of human CIKS.

## Form Information

<b>Form:</b>	Liquid
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	Antigen affinity chromatography
<b>Storage Buffer:</b>	PBS
<b>Preservative:</b>	0.02% sodium azide
<b>Storage Conditions:</b>	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C

## Product Specific Information

In Western blot applications, this antibody detects a band at ~63kDa. A suggested positive control is human placenta lysate.

PA5-19989 can be used with blocking peptide PEP-0113.

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## General Information

Nuclear factor kappa B (NF-kappa-B) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-kappa-B mediates the expression of a great variety of genes in response to extracellular stimuli. NF-kappa-B associates with Ikappa-B proteins in the cell cytoplasm, which inhibit NF-kappa-B activity. Ikappa-B is phosphorylated by Ikappa-B kinase (IKK) complex that contains IKK-a, IKK-b, and IKK-gamma. A novel molecule that associates with and activates IKK was recently identified and designated CIKS (for connection to IKK and SAPK/JNK) and Act1 (for NF-kappa-B activator 1). CIKS directly interacts with IKK-gamma. CIKS/Act1 also activates activating transcription factor (ATF) and activator protein 1 (AP-1) through Jun kinase (JNK). These results indicate that CIKS/Act1 is involved in the inflammation and stress responses. CIKS/Act1 is ubiquitously expressed in human tissues.

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