

Datasheet for 600-401-AK9**CIKS Antibody****Overview**

Description:	Anti-CIKS (RABBIT) Antibody - 600-401-AK9
Item No.:	600-401-AK9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Nuclear factor kappa B (NF-κB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-κB mediates the expression of a great variety of genes in response to extracellular stimuli. NF-κB associates with IκB proteins in the cell cytoplasm, which inhibit NF-κB activity. IκB is phosphorylated by IκB kinase (IKK) complex that contains IKKα, IKKβ, and IKKγ. 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-κB activator 1). CIKS directly interacts with IKKγ. 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.
Synonyms:	CIKS Antibody, ACT1, CIKS, C6orf2, C6orf4, C6orf5, C6orf6, CANDF8, PSORS13, Adapter protein CIKS, Nuclear factor NF-kappa-B activator 1, ACT1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TRAF3IP2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-CIKS antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid peptide near the N-terminus of human CIKS.
Purity/Specificity:	Anti-CIKS Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with CIKS from other sources has not been determined.
Relevant Links:	• UniProtKB - O43734 • GeneID - 10758 • NCBI - AF274303

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-CIKS Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 65 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

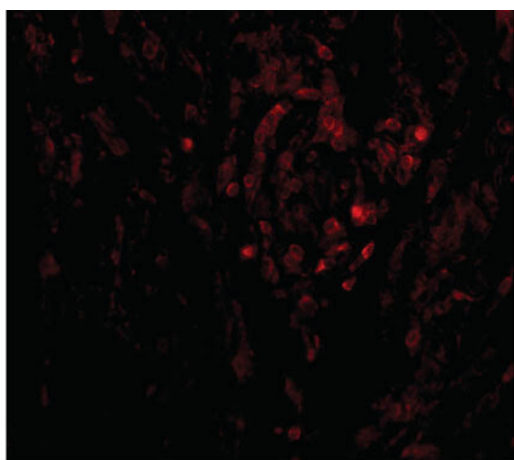
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

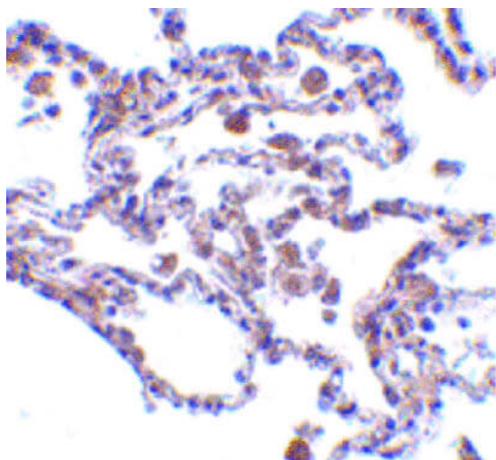
Expiration: Expiration date is one (1) year from date of receipt.

Images



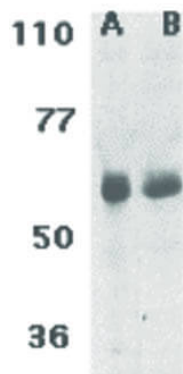
Immunofluorescence Microscopy

Immunofluorescence Microscopy of CIKS antibody. Tissue: Human lung tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: CIKS antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: CIKS as red fluorescent signal.



Immunohistochemistry

Immunohistochemistry of CIKS antibody. Tissue: Human lung tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: CIKS antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: CIKS as precipitated brown signal with hematoxylin blue nuclear counterstain.

**Western Blot**

Western Blot of CIKS antibody. Lane 1: Human lung tissue lysate. Lane 2: Human placenta tissue lysate. Load: 35 µg per lane. Primary antibody: CIKS antibody at 1 µg/mL for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 64.7 kDa, 60 kDa for CIKS.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.