

**CIKS Antibody**  
**Catalog # ASC10154****Specification**

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**CIKS Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">O43734</a>
Other Accession	<a href="#">O43734</a> , <a href="#">10758</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	63 kDa KDa
Application Notes	CIKS antibody can be used for detection of CIKS by Western blot at 1 µg/mL. A band at approximately 63 kDa can be detected. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

**CIKS Antibody - Additional Information**Gene ID **10758****Other Names**

CIKS Antibody: ACT1, CIKS, C6orf2, C6orf4, C6orf5, C6orf6, CANDF8, PSORS13, Adapter protein CIKS, Nuclear factor NF-kappa-B activator 1, ACT1, TRAF3 interacting protein 2

**Target/Specificity**

CIKS antibody was raised against a 14 amino acid peptide near the amino terminus of human CIKS.  
The immunogen is located within the first 50 amino acids of CIKS.

**Reconstitution & Storage**

CIKS antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

CIKS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CIKS Antibody - Protein Information**Name TRAF3IP2 ([HGNC:1343](#))**Function**

E3 ubiquitin ligase that catalyzes 'Lys-63'-linked polyubiquitination of target protein, enhancing protein-protein interaction and cell signaling (PubMed:[19825828](http://www.uniprot.org/citations/19825828)). Transfers ubiquitin from E2 ubiquitin-conjugating enzyme UBE2V1-UBE2N to substrate protein (PubMed:<a

href="http://www.uniprot.org/citations/19825828" target="\_blank">19825828</a>). Essential adapter molecule in IL17A-mediated signaling (PubMed:<a href="http://www.uniprot.org/citations/19825828" target="\_blank">19825828</a>, PubMed:<a href="http://www.uniprot.org/citations/24120361" target="\_blank">24120361</a>). Upon IL17A stimulation, interacts with IL17RA and IL17RC receptor chains through SEFIR domains and catalyzes 'Lys-63'-linked polyubiquitination of TRAF6, leading to TRAF6-mediated activation of NF-kappa-B and MAPkinase pathways (PubMed:<a href="http://www.uniprot.org/citations/19825828" target="\_blank">19825828</a>).

#### Tissue Location

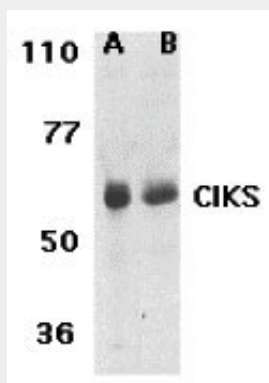
Widely expressed.

#### CIKS Antibody - Protocols

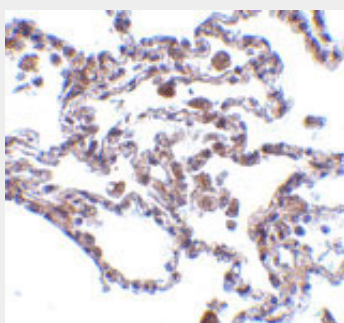
Provided below are standard protocols that you may find useful for product applications.

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

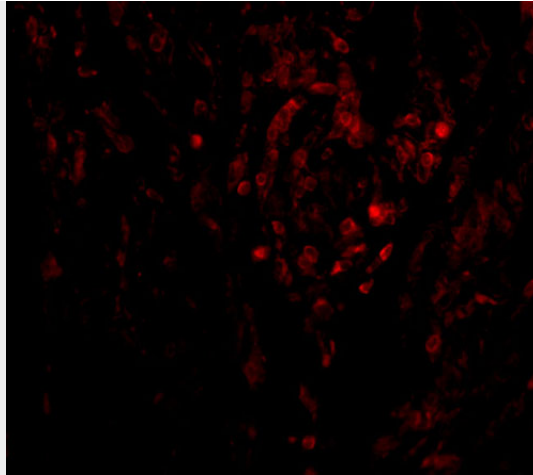
#### CIKS Antibody - Images



Western blot analysis of CIKS expression in human lung (lane A) and placenta (lane B) tissue lysates with CIKS antibody at 1 µg /ml.



Immunohistochemistry of CIKS in human lung tissue with CIKS antibody at 5 µg/mL.



Immunofluorescence of CIKS in human lung tissue with CIKS antibody at 20 µg/mL.

### **CIKS Antibody - Background**

CIKS Antibody: 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 I $\kappa$ B proteins in the cell cytoplasm, which inhibit NF- $\kappa$ B activity. I $\kappa$ B is phosphorylated by I $\kappa$ B kinase (IKK) complex that contains IKK $\alpha$ , IKK $\beta$ , 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.

### **CIKS Antibody - References**

Leonardi A, Chariot A, Claudio E, Cunningham K, Siebenlist U. CIKS, a connection to I $\kappa$ B kinase and stress-activated protein kinase. *Proc Natl Acad Sci USA*. 2000;97(19):10494-9.  
Li X, Commane M, Nie H, Hua X, Chatterjee-Kishore M, Wald D, Haag M, Stark GR. Act1, an NF- $\kappa$ B activating protein. *Proc Natl Acad Sci USA*. 2000;97(19):10489-93.