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# CIKS Antibody

Catalog # ASC10153

## Product Information

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| **Application** | WB, IF, E, IHC-P |
| **Primary Accession** | O43734 |
| **Other Accession** | AF274303, 10242289 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Calculated MW** | 64666 |
| **Conjugate** | Unconjugated |
| **Application Notes** | CIKS antibody can be used for detection of CIKS by Western blot at 1 g/mL. A band at approximately 63 kDa can be detected. Antibody can also be used for immunohistochemistry starting at 5 g/mL. For immunofluorescence start at 20 g/mL. |

## Additional Information

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| **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** | TRAF3IP2; |
| **Reconstitution & Storage** | CIKS antibody can be stored at 4℃ for three months and -20℃, 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. |

## Protein Information

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| **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). Transfers ubiquitin from E2 ubiquitin-conjugating enzyme UBE2V1-UBE2N to substrate protein (PubMed:19825828). Essential adapter molecule in IL17A-mediated signaling (PubMed:19825828, PubMed:24120361). 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:19825828).

**Tissue Location** Widely expressed.

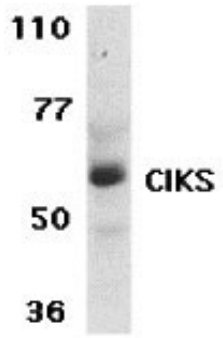
## Background

CIKS Antibody: 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.

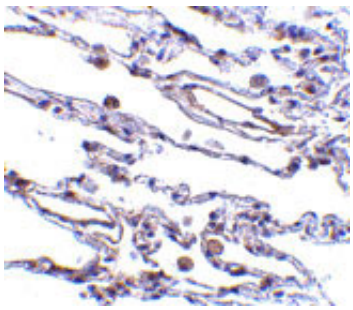
## References

Leonardi A, Chariot A, Claudio E, Cunningham K, Siebenlist U. CIKS, a connection to Iκ 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-κ B activating protein. Proc Natl Acad Sci USA. 2000;97(19):10489-93.

## Images

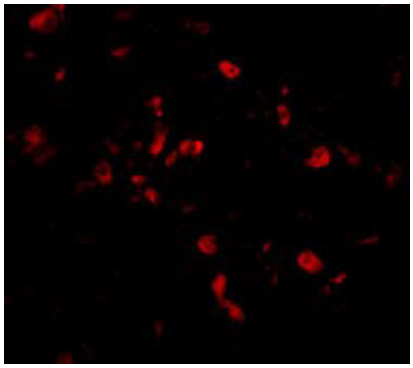



Western blot analysis of CIKS expression in human placenta tissue lysate with CIKS antibody at 1 µg /ml.



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

Immunofluorescence of CIKS in Human Lung cells with CIKS antibody at 20 µg/mL.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.