

## Product datasheet for **TA306088**

### CIKS (TRAF3IP2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	CIKS antibody was raised against a synthetic peptide corresponding to amino acids 2 to 15 of human CIKS .
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	TRAF3 interacting protein 2
Database Link:	<a href="#">NP_001157753</a> <a href="#">Entrez Gene 10758 Human</a> <a href="#">O43734</a>



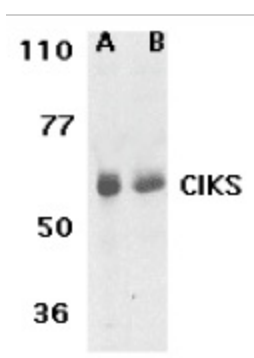
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**Background:**

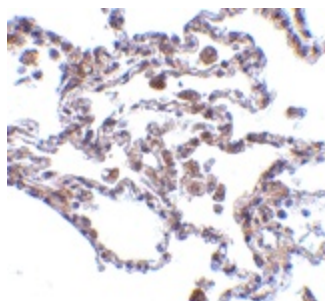
Nuclear factor kappa B (NF-kappaB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-kappaB mediates the expression of a great variety of genes in response to extracellular stimuli. NF-kappaB associates with I kappaB proteins in the cell cytoplasm, which inhibit NF-kappaB activity. I kappaB is phosphorylated by I kappaB kinase (IKK) complex that contains IKKalpha, IKKbeta, and IKKgamma. 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-kappaB activator 1) (1,2). CIKS directly interacts with IKKgamma. 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:**

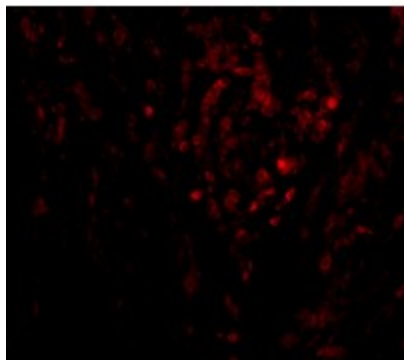
ACT1; C6orf2; C6orf4; C6orf5; C6orf6; CANDF8; CIKS; PSORS13

**Product images:**

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



Immunohistochemistry of CIKS in human lung tissue with CIKS antibody at 5 ug/ml.



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