

CIKS/Act1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10238**Specification**

CIKS/Act1 Antibody - Product Information

Application	WB
Primary Accession	O43734
Other Accession	AAG15407
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	64666

CIKS/Act1 Antibody - Additional Information**Gene ID** 10758**Application & Usage**

Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody detects the ~63 kDa human CIKS/Act1. Human placenta tissue lysate can be used as a positive control.

Other Names

CIKS, ACT1, ACT-1, TRAF3IP2, C6orf4, C6orf5, C6orf6, RAF3-interacting protein 2, Nuclear factor NF-kappa-B activator 1; ACT1; Adaptor protein CIKS; Adapter protein CIKS

Target/Specificity

CIKS/Act1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-CIKS/Act1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

CIKS/Act1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CIKS/Act1 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:[19825828](http://www.uniprot.org/citations/19825828)). Essential adapter molecule in IL17A-mediated signaling (PubMed:[19825828](http://www.uniprot.org/citations/19825828), PubMed:[24120361](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/19825828)).

Tissue Location

Widely expressed.

CIKS/Act1 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/Act1 Antibody - Images**CIKS/Act1 Antibody - Background**

CIKS (for connection to IKK and SAPK/JNK), also called Act1 (for NF-kB activator 1), is a novel protein that associates with and activates IKK (I κ B kinase). CIKS/Act1 also activates ATF (activating transcription factor) and AP-1 (activator protein 1) through Jun kinase (JNK). CIKS/Act1 is ubiquitously expressed in human tissues.