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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). 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.

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 Cytomety
- 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 (IkB kinase). CIKS/Act1 also activates ATF (activating transcription factor) and AP-1 (activator protein 1) thro µgh Jun kinase (JNK). CIKS/Act1 is ubiquitously expressed in human tissues.