

Product datasheet for **TA336472**

CIKS (TRAF3IP2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, IP, Simple Western, WB
Recommended Dilution:	Immunohistochemistry, Western Blot: 1-2 ug/ml, Immunohistochemistry-Paraffin, Simple Western: 1:20, Immunoprecipitation
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	This antibody was developed against a synthetic peptide (QDLRPLRSREFPQFEP) corresponding to amino acids 225-241 of human TRAF3IP2.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
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:	NP_679211 Entrez Gene 103213 Mouse Entrez Gene 10758 Human O43734



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Background:

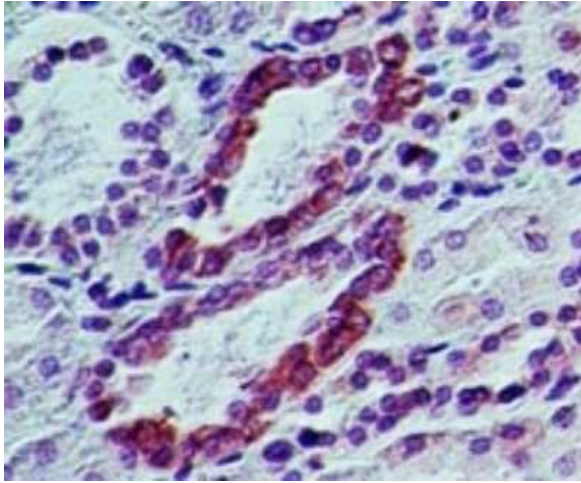
NF- κ B (nuclear factor κ B) is sequestered in the cytoplasm by I κ B family of inhibitory proteins that mask the nuclear localization signal of NF- κ B thereby preventing translocation of NF- κ B to the nucleus (1). External stimuli such as tumor necrosis factor or other cytokines, such as IL-1 results in phosphorylation and degradation of I κ B releasing NF- κ B dimers. NF- κ B dimer subsequently translocates to the nucleus and activates target genes (2). Recently, Li et al. (3) have isolated a cDNA coding for a protein named Act1 (NF- κ B activator 1). Act1/CIKS cDNA codes for a protein containing 574 aa with a predicated molecular mass of 60 kDa. Act1/CIKS protein contains a helix-loop-helix domain in its N-terminal portion and a coiled-coil structure at the C terminus. Act1 lacks any catalytic domain, however, it activates IKK through the helix-loop-helix domain. The activation of NF- κ B by Act1 appears to be through the NIK-IKK complex, because a NIK dominant-negative mutant protein inhibited Act1-induced NF- κ B activation. IL-1 responsive pathway is also necessary for Act1 function. Act1 mRNA is expressed in a variety of tissues, with high level in thymus, kidney and placenta; moderate level in heart, skeletal muscle, colon, liver, lung and small intestine; and at a very low level in brain, spleen, and peripheral blood leukocytes.

Synonyms:

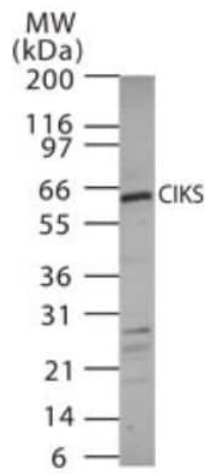
ACT1; C6orf2; C6orf4; C6orf5; C6orf6; CANDF8; CIKS; PSORS13

Product images:

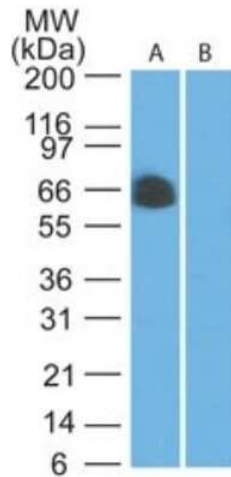
Simple Western: TRAF3IP2 Antibody TA336472 - Simple Western lane view shows a specific band for TRAF3IP2 in 0.5 mg/ml of Hek293 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Immunohistochemistry-Paraffin: TRAF3IP2 Antibody TA336472 - Analysis of ACT1 in human kidney tissue using ACT1 antibody at 5 ug/ml.



Western Blot: TRAF3IP2 Antibody TA336472 - Analysis of CIKS using TA336472 on 15 ugs of mouse kidney cell lysate.



Western Blot: TRAF3IP2 Antibody TA336472 - Analysis of ACT1 in human kidney lysate in the A) absence and B) presence of immunizing peptide using ACT1 antibody at 2 ug/ml.