10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TRAF3IP2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19044b

Product Information

Application	WB, E
Primary Accession	O43734
Other Accession	NP_679211.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39771
Calculated MW	64666
Antigen Region	463-492

Additional Information

Gene ID	10758
Other Names	Adapter protein CIKS, Connection to IKK and SAPK/JNK, Nuclear factor NF-kappa-B activator 1, ACT1, TRAF3-interacting protein 2, TRAF3IP2, C6orf2, C6orf4, C6orf5, C6orf6
Target/Specificity	This TRAF3IP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 463-492 amino acids from the C-terminal region of human TRAF3IP2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TRAF3IP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

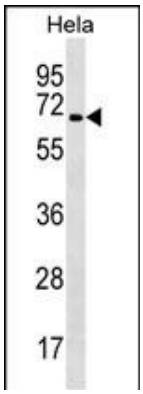
Background

This gene encodes a protein involved in regulating responses to cytokines by members of the Rel/NF-kappaB transcription factor family. These factors play a central role in innate immunity in response to pathogens, inflammatory signals and stress. This gene product interacts with TRAF proteins (tumor necrosis factor receptor-associated factors) and either I-kappaB kinase or MAP kinase to activate either NF-kappaB or Jun kinase. Several alternative transcripts encoding different isoforms have been identified. Another transcript, which does not encode a protein and is transcribed in the opposite orientation, has been identified. Overexpression of this transcript has been shown to reduce expression of at least one of the protein encoding transcripts, suggesting it has a regulatory role in the expression of this gene.

References

Ellinghaus, E., et al. Nat. Genet. 42(11):991-995(2010)
Giltiay, N.V., et al. J. Immunol. 185(1):99-109(2010)
Liu, C., et al. Sci Signal 2 (92), RA63 (2009) :
Li, X. Cytokine 41(2):105-113(2008)
Huang, F., et al. J. Immunol. 179(10):6504-6513(2007)

Images



TRAF3IP2 Antibody (C-term) (Cat. #AP19044b) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the TRAF3IP2 antibody detected the TRAF3IP2 protein (arrow).