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TNIP1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16988b

Product Information

Application	WB, E
Primary Accession	Q15025
Other Accession	NP_006049.3
Reactivity	Human
Predicted	Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36706
Calculated MW	71864
Antigen Region	607-636

Additional Information

Gene ID	10318
Other Names	TNFAIP3-interacting protein 1, A20-binding inhibitor of NF-kappa-B activation 1, ABIN-1, HIV-1 Nef-interacting protein, Nef-associated factor 1, Naf1, Nip40-1, Virion-associated nuclear shuttling protein, VAN, hVAN, TNIP1, KIAA0113, NAF1
Target/Specificity	This TNIP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 607-636 amino acids from the C-terminal region of human TNIP1.
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	TNIP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TNIP1

Synonyms	KIAA0113, NAF1
Function	Inhibits NF-kappa-B activation and TNF-induced NF-kappa-B- dependent gene expression by regulating TAX1BP1 and A20/TNFAIP3- mediated deubiquitination of IKBKG; proposed to link A20/TNFAIP3 to ubiquitinated IKBKG (PubMed:21885437). Involved in regulation of EGF- induced ERK1/ERK2 signaling pathway; blocks MAPK3/MAPK1 nuclear translocation and MAPK1-dependent transcription. Increases cell surface CD4(T4) antigen expression. Involved in the anti-inflammatory response of macrophages and positively regulates TLR-induced activation of CEBPB. Involved in the prevention of autoimmunity; this function implicates binding to polyubiquitin. Involved in leukocyte integrin activation during inflammation; this function is mediated by association with SELPLG and dependent on phosphorylation by SRC-family kinases. Interacts with HIV-1 matrix protein and is packaged into virions and overexpression can inhibit viral replication. May regulate matrix nuclear localization, both nuclear import of PIC (Preintegration complex) and export of GAG polyprotein and viral genomic RNA during virion production. In case of infection, promotes association of IKBKG with Shigella flexneri E3 ubiquitin-protein ligase ipah9.8 p which in turn promotes polyubiquitination of IKBKG leading to its proteasome- dependent degradation and thus is perturbing NF-kappa-B activation during bacterial infection.
Cellular Location	Cytoplasm. Nucleus. Note=Shuttles between the nucleus and cytoplasm in a CRM1-dependent manner
Tissue Location	Ubiquitous. Strongly expressed in peripheral blood lymphocytes, spleen and skeletal muscle, and is weakly expressed in the brain. In peripheral blood mononucleocytes, isoform 4 is mainly expressed and isoform 1 and isoform 7 are almost not expressed Expression of isoform 1 and isoform 7 increases in leukemic cells

Background

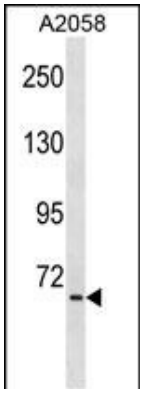
Interacts with zinc finger protein A20/TNFAIP3 and inhibits TNF-induced NF-kappa-B-dependent gene expression by interfering with an RIP-or TRAF2-mediated transactivation signal (By similarity). Increases cell surface CD4(T4) antigen expression. Interacts with HIV-1 matrix protein and is packaged into virions and overexpression can inhibit viral replication. May regulate matrix nuclear localization, both nuclear import of PIC (Preintegration complex) and export of GAG polyprotein and viral genomic RNA during virion production.

References

He, C.F., et al. Lupus 19(10):1181-1186(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009)
Gateva, V., et al. Nat. Genet. 41(11):1228-1233(2009)
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Images

TNIP1 Antibody (C-term) (Cat. #AP16988b) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the TNIP1 antibody detected the TNIP1 protein (arrow).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.