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TNIP2 Rabbit pAb

Catalog # AP96161

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8NFZ5
Other Accession	Q8NFZ5
Reactivity	Rat, Human
Predicted	Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48700
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TNIP2/ABIN2/TNFAIP3 interacting protein 2
Epitope Specificity	85-180/430
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	nteracts with STK11/LKB1, TNFAIP3, IKBKG, NFKB1, MAP3K8, TEK, RIPK1, CHUK, IKBKB and SMARCD1. Interacts with polyubiquitin
Post-translational modifications	In vitro phosphorylated by CHUK (By similarity). Ubiquitinated; undergoes 'Lys-48'-linked polyubiquitination probably leading to constitutive proteasomal degradation which can be impaired by IKK-A/CHUK or IKBKB probbaly involving deubiquitination (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The human TNIP2 (also known as ABIN-2), which is related to proteins ABIN-1 and ABIN-3, was originally identified as an A20-associating cytosolic protein that block nuclear factor kappaB (NF-kB) activation. NF-kB plays a central role in the regulation of genes implicated in immune responses, inflammatory processes, and apoptotic cell death and the zinc finger protein A20 is a potent inhibitor of NF-kB activity with a key role in limiting the extent and duration of inflammatory activation. It was also reported that ABIN-2 has the potential to enter the nucleus and plays a role in mediating transcriptional activation in both yeast and mammalian cells.

Additional Information

Gene ID	79155
Other Names	ABIN2; FLIP1; KLIP; 1810020H16Rik; ABIN-2; TNIP2_HUMAN; TNIP2; A20-binding inhibitor of NF-kappa-B activation 2 (ABIN-2); Fetal liver LKB1-interacting protein; TNIP2_MOUSE; TNFAIP3 interacting protein 2; A20-binding inhibitor of NF-kappaB activation-2
Target/Specificity	Ubiquitously expressed in all tissues examined.

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	TNIP2 {ECO:0000312|EMBL:EAW82514.1}
Function	Inhibits NF-kappa-B activation by blocking the interaction of RIPK1 with its downstream effector NEMO/IKBKG. Forms a ternary complex with NFKB1 and MAP3K8 but appears to function upstream of MAP3K8 in the TLR4 signaling pathway that regulates MAP3K8 activation. Involved in activation of the MEK/ERK signaling pathway during innate immune response; this function seems to be stimulus- and cell type specific. Required for stability of MAP3K8. Involved in regulation of apoptosis in endothelial cells; promotes TEK agonist-stimulated endothelial survival. May act as transcriptional coactivator when translocated to the nucleus. Enhances CHUK-mediated NF-kappa-B activation involving NF- kappa-B p50-p65 and p50-c-Rel complexes.
Cellular Location	Cytoplasm. Nucleus
Tissue Location	Ubiquitously expressed in all tissues examined.

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