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Rabbit Anti-TNIP2 antibody

SL7563R

Product Name:	TNIP2
Chinese Name:	Tumour坏死因子α诱导蛋白3相互作用蛋白2抗体
Alias:	A20 binding inhibitor of NF kappaB activation 2; ABIN 2; FLIP1; KLIP; LKB1 interacting protein; TNFAIP3 interacting protein 2; TNIP2_MOUSE.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	49kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TNIP2/ABIN2/TNFAIP3 interacting protein 2:85-180/430
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

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.

Subunit:
nteracts with STK11/LKB1, TNFAIP3, IKBKG, NFKB1, MAP3K8, TEK, RIPK1, CHUK, IKBKB and SMARCD1. Interacts with polyubiquitin

Tissue Specificity:
Ubiquitously expressed in all tissues examined.

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).

SWISS:
Q8NFZ5

Gene ID:
79155

Database links:

Entrez Gene: 79155Human

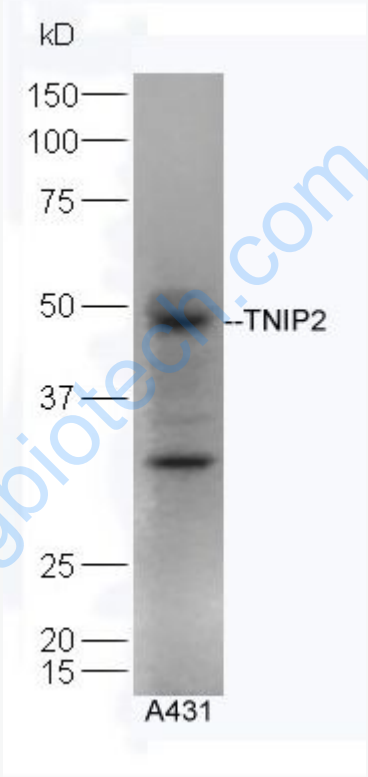
Entrez Gene: 231130Mouse

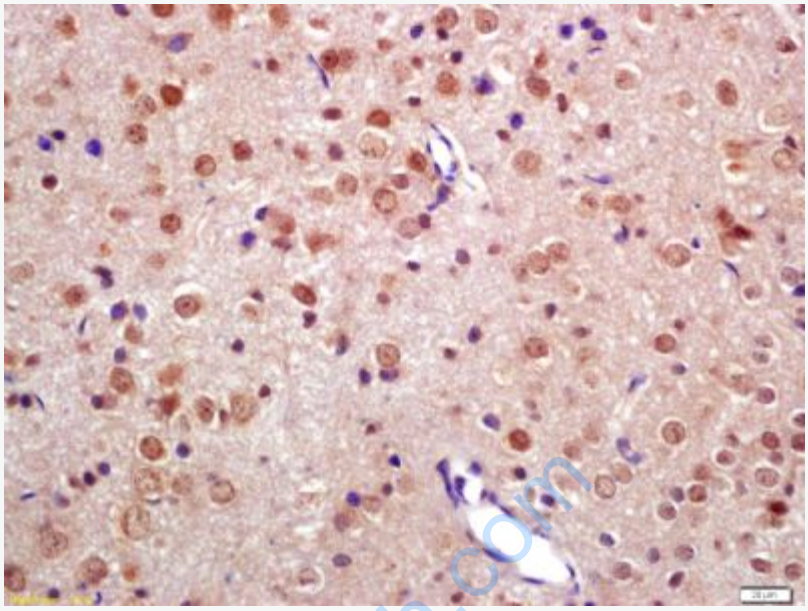
Omim: 610669Human

SwissProt: Q8NFZ5Human

SwissProt: Q99JG7Mouse

Unigene: 726088Human

	Unigene: 28615Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: A431 Cell (Human) Lysate at 40 ug Primary: Anti-TNIP2 (SL7563R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL7563R) at 1/5000 dilution Predicted band size: 49 kD Observed band size: 49 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-TNIP2 Polyclonal Antibody, Unconjugated(SL7563R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining