Datasheet for ABIN1881961

anti-TXNIP antibody (AA 116-145)

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Overview

Quantity:	400 µL
Target:	TXNIP
Binding Specificity:	AA 116-145
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXNIP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Mouse Txnip antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 116-145 amino acids from the Central region of mouse Txnip.
Clone:	RB30652
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TXNIP
Alternative Name:	Txnip (TXNIP Products)

Target Details

Background:	May act as an oxidative stress mediator by inhibiting thioredoxin activity or by limiting its bioavailability. Interacts with COPS5 and restores COPS5-induced suppression of CDKN1B stability, blocking the COPS5-mediated translocation of CDKN1B from the nucleus to the cytoplasm. Functions as a transcriptional repressor, possibly by acting as a bridge molecule between transcription factors and corepressor complexes, and over-expression will induce G0/G1 cell cycle arrest. Required for the maturation of natural killer cells.
Molecular Weight:	44363
NCBI Accession:	NP_001009935, NP_076208
UniProt:	Q8BG60
Pathways:	Protein targeting to Nucleus, Platelet-derived growth Factor Receptor Signaling, Inflammasome

Application Details

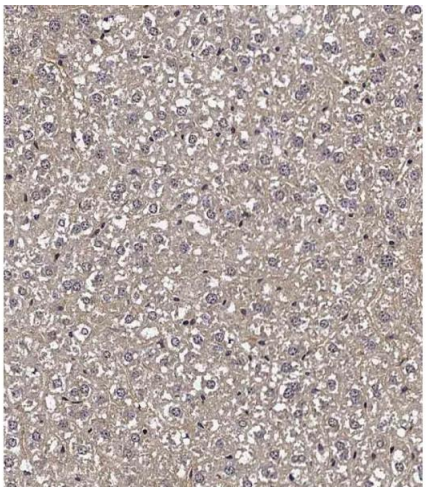
Application Notes:	WB: 1:2000. IHC-P: 1:100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

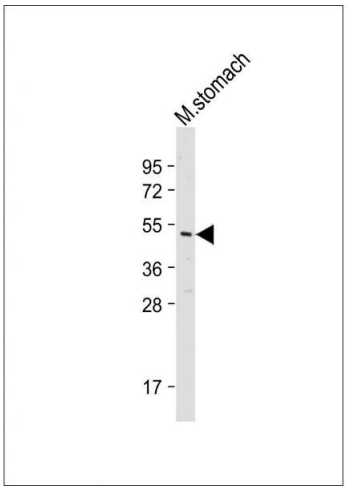
Publications

Product cited in:	Hirakawa, Nakayama, Shibata, Sekine: "Association of cellular localization of glycogen synthase kinase 3beta in the digestive tract with cancer development." in: **Oncology reports**, Vol. 22, Issue 3, pp. 481-5, (2009) (PubMed).



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of (ABIN1881961 and ABIN2838996) on paraffin-embedded Mouse liver tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH 9. 0). Samples were incubated with primary Antibody (1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Western Blotting

Image 2. Anti-Mouse Txnip Antibody (Center) at 1:2000 dilution + Mouse stomach tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

