

Datasheet for ABIN1881962
anti-TXNIP antibody (N-Term)[Go to Product page](#)

2 Images

4 Publications

Overview

| | |
|----------------------|--------------------------------------|
| Quantity: | 400 µL |
| Target: | TXNIP |
| Binding Specificity: | AA 1-30, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TXNIP antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | This TXNIP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human TXNIP. |
| Clone: | RB41554 |
| Isotype: | Ig Fraction |
| Predicted Reactivity: | M, Rat |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

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| Target: | TXNIP |
| Alternative Name: | TXNIP (TXNIP Products) |

Target Details

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|-------------------|---|
| Background: | TXNIP 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: | 43661 |
| NCBI Accession: | NP_006463 |
| UniProt: | Q9H3M7 |
| Pathways: | Protein targeting to Nucleus , Platelet-derived growth Factor Receptor Signaling , Inflammasome |

Application Details

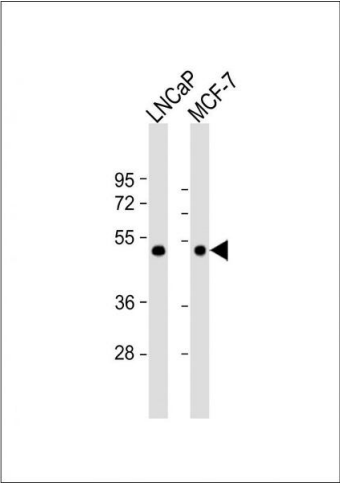
| | |
|--------------------|------------------------|
| Application Notes: | WB: 1:1000. WB: 1:1000 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| 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 |

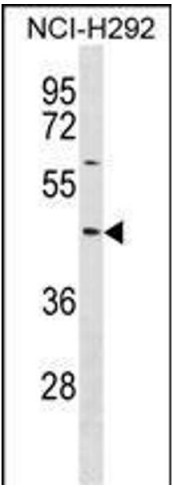
Publications

| | |
|-------------------|---|
| 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). |
|-------------------|---|



Western Blotting

Image 1. All lanes : Anti-TXNIP Antibody (N-term) at 1:1000 dilution Lane 1: LNCaP whole cell lysate Lane 2: MCF-7 whole cell 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.



Western Blotting

Image 2. TXNIP Antibody (N-term) (ABIN1881962 and ABIN2838827) western blot analysis in NCI- cell line lysates (35 µg/lane). This demonstrates the TXNIP antibody detected the TXNIP protein (arrow).