

## 11-3023: Polyclonal Antibody to TxNIP/VDUP1

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|--------------------------------|--|
| <b>Clonality :</b>             | Polyclonal   |
| <b>Application :</b>           | WB   |
| <b>Reactivity :</b>            | Human  |
| <b>Gene :</b>                  | TXNIP  |
| <b>Gene ID :</b>               | 10628  |
| <b>Uniprot ID :</b>            | Q9H3M7   |
| <b>Format :</b>                | Purified   |
| <b>Alternative Name :</b>      | TXNIP,VDUP1  |
| <b>Isotype :</b>               | Rabbit IgG   |
| <b>Immunogen Information :</b> | A partial length recombinant TxNIP protein (amino acids 50-300) was used as the immunogen for this antibody. |

### Description

TXNIP (thioredoxin interacting protein) inhibits thioredoxin activity by limiting its bioavailability in response to oxidative stress. TXNIP restores COPS5-induced suppression of CDKN1B stability by interacting with COPS5 and blocks the COPS5-mediated translocation of CDKN1B from nucleus to the cytoplasm. TXNIP functions as a transcriptional repressor. TXNIP has been reported to be a suppressor of tumor cell growth and inhibits the proteasomal degradation of DDIT4, contributing to the inhibition of the mammalian target of rapamycin complex 1 (mTORC1). TXNIP is expressed in adipose tissue, adrenal cortex, adrenal gland, amniotic fluid and amygdale.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 25 µg / 100 µg  |
| <b>Purification :</b>      | Protein A Chromatography  |
| <b>Content :</b>           | 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.                |
| <b>Storage condition :</b> | Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles. |

### Application Note

Western blot analysis: 1-3 µg/ml

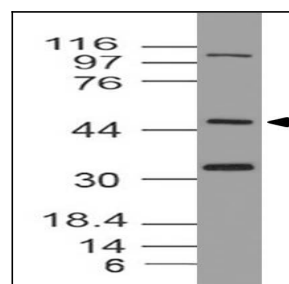


Fig-1: Western blot analysis of TXNIP/VDUP1 . Anti-TXNIP/VDUP1 antibody (11-3023) was used at 1 µg/ml on Y79 lysate