

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

<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

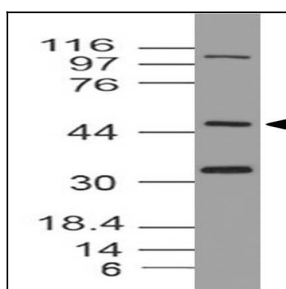


Fig-1: Western blot analysis of TXNIP/VDUP1 . Anti-TXNIP/VDUP1 antibody (11-3023) was used at 1 µg/ml on Y79 lysate