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Datasheet for ABIN2784817
anti-TXNIP antibody (C-Term)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	TXNIP
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Guinea Pig, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXNIP antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human TXNIP
Sequence:	DTPEAPPCYM DVIPEDHRLE SPTTPLLDDM DGSQDSPIFM YAPEFKFMPP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against TXNIP. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TXNIP
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Target Details

Alternative Name:	TXNIP (TXNIP Products)
Background:	<p>TXNIP may act as an oxidative stress mediator by inhibiting thioredoxin activity or by limiting its bioavailability. It interacts with COPS5 and restores COPS5-induced suppression of CDKN1B stability, blocking the COPS5-mediated translocation of CDKN1B from the nucleus to the cytoplasm. It 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. It is required for the maturation of natural killer cells.</p> <p>Alias Symbols: EST01027, HHCPA78, THIF, VDUP1</p> <p>Protein Interaction Partner: UBC, DDIT4, ECD, TXN, TP53, SMURF2, UL49, ITCH, ELAVL1, FHL1, ZBTB32, ZBTB16, SCEL, HDAC1, TXNRD1, KPNA2,</p> <p>Protein Size: 391</p>
Molecular Weight:	44 kDa
Gene ID:	10628
NCBI Accession:	NM_006472 , NP_006463
UniProt:	Q9H3M7
Pathways:	Protein targeting to Nucleus , Platelet-derived growth Factor Receptor Signaling , Inflammasome

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 391 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

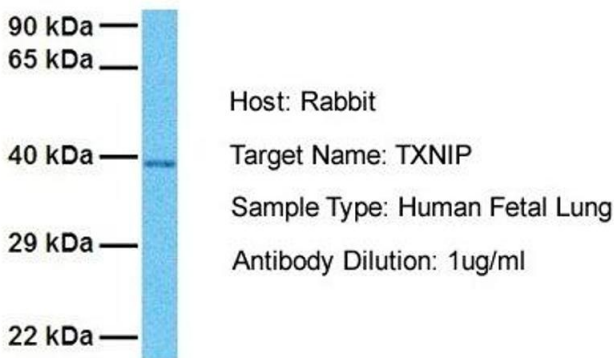
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Li, Wu, Jiang, Liu, Wu, Inagaki, Izawa, Mizisin, Engvall, Shelton: "Non-pathogenic protein aggregates in skeletal muscle in MLF1 transgenic mice." in: **Journal of the neurological sciences**, Vol. 264, Issue 1-2, pp. 77-86, (2007) ([PubMed](#)).

Images

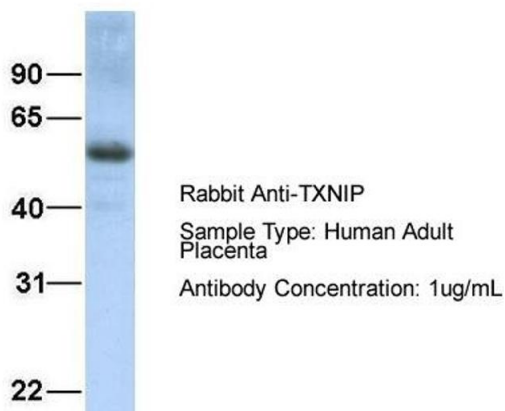
TXNIP



Western Blotting

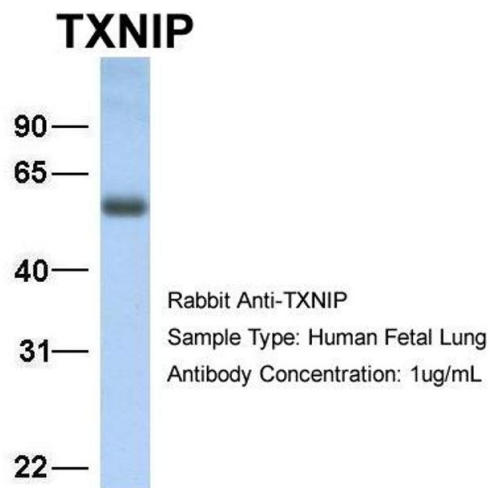
Image 1. Host: Rabbit Target Name: TXNIP Sample Tissue: Human Fetal Lung Antibody Dilution: 1.0ug/ml

TXNIP



Western Blotting

Image 2. Host: Rabbit Target Name: TXNIP Sample Type: Human Adult Placenta Antibody Dilution: 1.0ug/ml



Western Blotting

Image 3. Host: Rabbit Target Name: TXNIP Sample Type:
Human Fetal Lung Antibody Dilution: 1.0ug/ml

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2784817.