

bs-3897R**[Primary Antibody]****BioSS**
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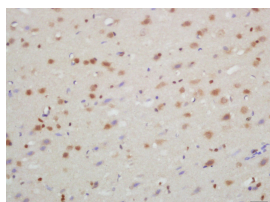
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TXNIP Rabbit pAb**— DATASHEET —**

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| Host: Rabbit Clonality: Polyclonal GeneID: 10628 Target: TXNIP Immunogen: KLH conjugated synthetic peptide derived from human TXNIP: 101-200/391. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: 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 (from SwissProt). | Isotype: IgG SWISS: Q9H3M7 | Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Rat (predicted: Mouse, Rabbit, Pig, Dog) Predicted MW.: 44 kDa Subcellular Location: Cytoplasm ,Nucleus |
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— VALIDATION IMAGES —

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-TXNIP Polyclonal Antibody, Unconjugated(bs-3897R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=2.9]** Li, Xiao-Feng, et al. "MicroRNA-20a negatively regulates expression of NLRP3-inflammasome by targeting TXNIP in adjuvant-induced arthritis fibroblast-like synoviocytes." *Joint Bone Spine* (2016). WB ;="Human". 26934991
- **[IF=2.86]** Liu, Zhenning, et al. "Silymarin attenuated paraquat-induced cytotoxicity in macrophage by regulating Trx/TXNIP complex, inhibiting NLRP3 inflammasome activation and apoptosis." *Toxicology in Vitro* (2017). WB, ICC ;="Mouse". 29054699
- **[IF=3.2]** Jianwen Fei. et al. TXNIP activates NLRP3/IL-1 β and participate in inflammatory response and oxidative stress

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

to promote deep venous thrombosis. EXP BIOL MED.;(): WB ;Rat. 37749991