bsm-54127R **[Primary Antibody]**

TXNIP Recombinant Rabbit mAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 8A11
GeneID: 10628
SWISS: Q9H3M7
Target: TXNIP
Immunogen: A synthesized peptide derived from human TXNIP: 30-95.
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.02% Proclin300.
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).

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1:50-100)
ICC/IF (1:50-200)

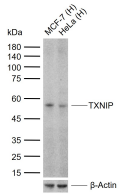
Reactivity: Human, Mouse, Rat

Predicted MW.: 44 kDa

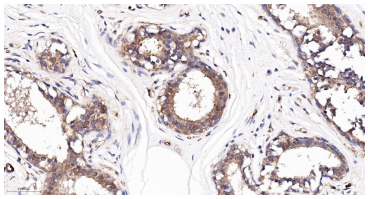
Observed MW.: 53 kDa

Subcellular Location: Cytoplasm ,Nucleus

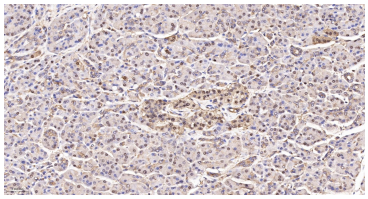
VALIDATION IMAGES



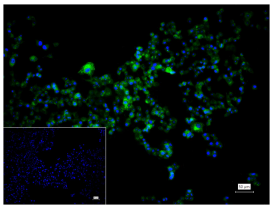
Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human HeLa cell lysates Primary: Anti-TXNIP (bsm-54127R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 44 kDa Observed band size: 53 kDa



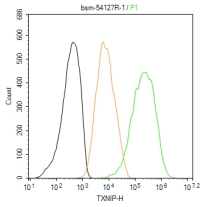
Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with TXNIP Monoclonal Antibody, Unconjugated (bsm-54127R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with TXNIP Monoclonal Antibody, Unconjugated (bsm-54127R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed PC-12 (Rat) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (TXNIP) monoclonal Antibody, unconjugated (bsm-54127R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The PC-12 (Rat) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.). Cells stained with Primary Antibody for 30 min at room temperature,followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit

Anti-TXNIP antibody (bsm-54127R,1:100);
Isotype Control (orange): Rabbit IgG (bs-0295P).
Blank control (black): PBS. Acquisition of 20,000
events was performed.