

# Product Datasheet

## TXNIP Antibody (JM60-35)

### NBP2-75692

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-75692**

TXNIP Antibody (JM60-35)

**Product Information**

|                                |                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------|
| <b>Unit Size</b>               | 100 ul                                                                                 |
| <b>Concentration</b>           | 1 mg/ml                                                                                |
| <b>Storage</b>                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>               | Monoclonal                                                                             |
| <b>Clone</b>                   | JM60-35                                                                                |
| <b>Preservative</b>            | 0.05% Sodium Azide                                                                     |
| <b>Isotype</b>                 | IgG                                                                                    |
| <b>Purity</b>                  | Protein A purified                                                                     |
| <b>Buffer</b>                  | TBS (pH7.4), 0.05% BSA, 40% Glycerol                                                   |
| <b>Target Molecular Weight</b> | 44 kDa                                                                                 |

**Product Description**

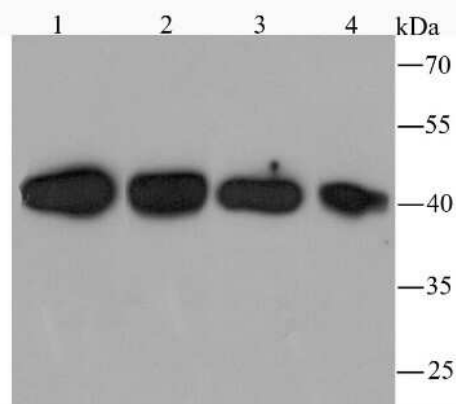
|                    |                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b> | Novus Biologicals Rabbit TXNIP Antibody (JM60-35) (NBP2-75692) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-TXNIP Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>        | Rabbit                                                                                                                                                                                                                                                               |
| <b>Gene ID</b>     | 10628                                                                                                                                                                                                                                                                |
| <b>Gene Symbol</b> | TXNIP                                                                                                                                                                                                                                                                |
| <b>Species</b>     | Human, Mouse, Rat                                                                                                                                                                                                                                                    |
| <b>Immunogen</b>   | Synthetic peptide within Human TXNIP aa 50-99 / 391. (SwissProt: Q9H3M7 Human; SwissProt: Q8BG60 Mouse; SwissProt: Q5M7W1 Rat)                                                                                                                                       |

**Product Application Details**

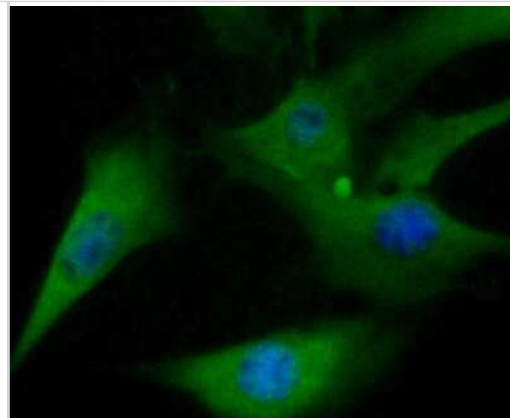
|                              |                                                                                                                                                                          |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                               |
| <b>Recommended Dilutions</b> | Western Blot 1:500-1:5000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:400 |

**Images**

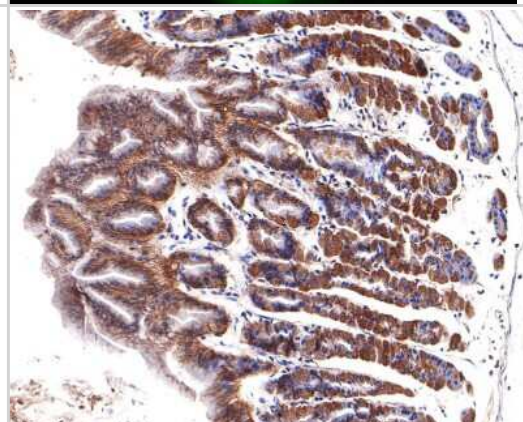
Western Blot: TXNIP Antibody (JM60-35) [NBP2-75692] - Analysis of TXNIP on different lysates using anti-TXNIP antibody at 1/1,000 dilution. Positive control: Lane 1: PC-12 Lane 2: Human skeletal muscle Lane 3: NIH-3T3 Lane 4: Hela



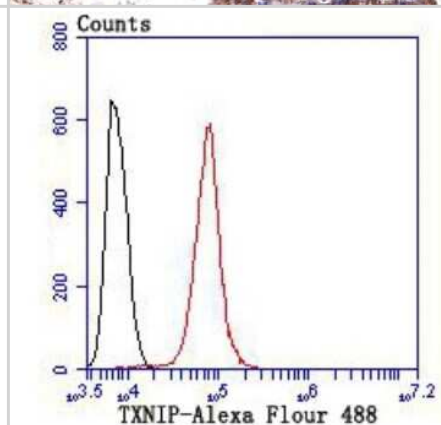
**Immunocytochemistry/Immunofluorescence:** TXNIP Antibody (JM60-35) [NBP2-75692] - Staining TXNIP in NIH-3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



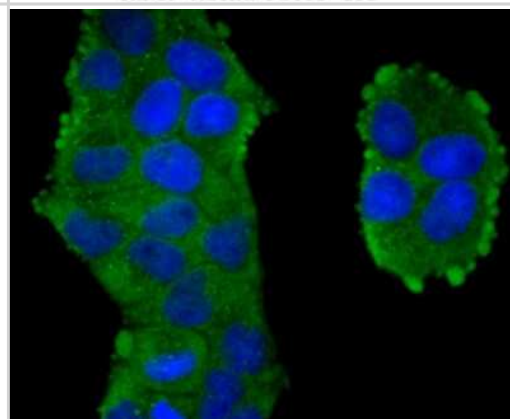
**Immunohistochemistry-Paraffin:** TXNIP Antibody (JM60-35) [NBP2-75692] - Analysis of paraffin-embedded mouse stomach tissue with Rabbit anti-TXNIP antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/400 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



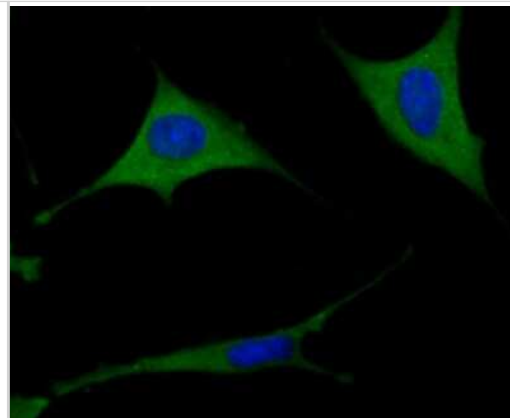
**Flow Cytometry:** TXNIP Antibody (JM60-35) [NBP2-75692] - Analysis of Hela cells with TXNIP antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



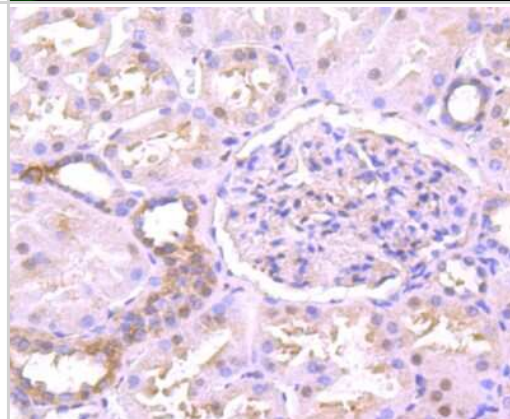
**Immunocytochemistry/Immunofluorescence:** TXNIP Antibody (JM60-35) [NBP2-75692] - Staining TXNIP in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



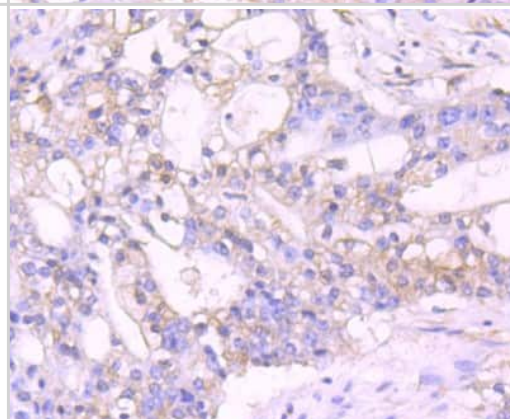
Immunocytochemistry/Immunofluorescence: TXNIP Antibody (JM60-35) [NBP2-75692] - Staining TXNIP in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



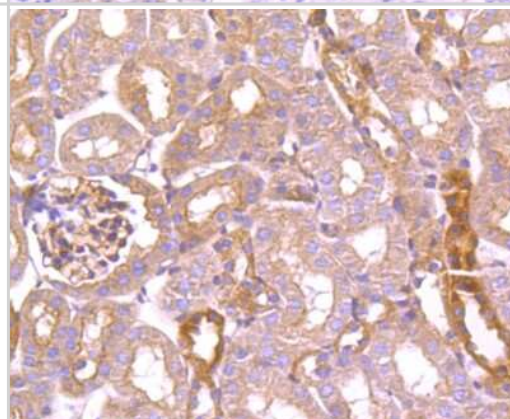
Immunohistochemistry-Paraffin: TXNIP Antibody (JM60-35) [NBP2-75692] - Analysis of paraffin-embedded human kidney tissue using anti-TXNIP antibody. Counter stained with hematoxylin.



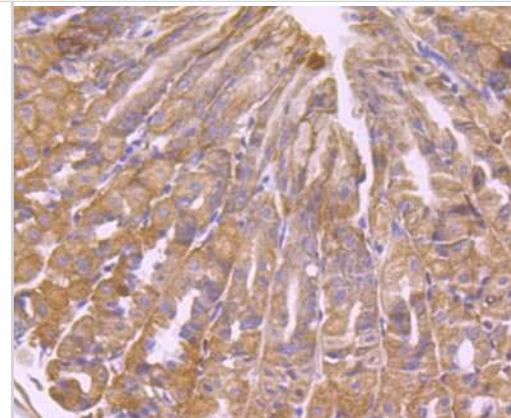
Immunohistochemistry-Paraffin: TXNIP Antibody (JM60-35) [NBP2-75692] - Analysis of paraffin-embedded human stomach cancer tissue using anti-TXNIP antibody. Counter stained with hematoxylin.



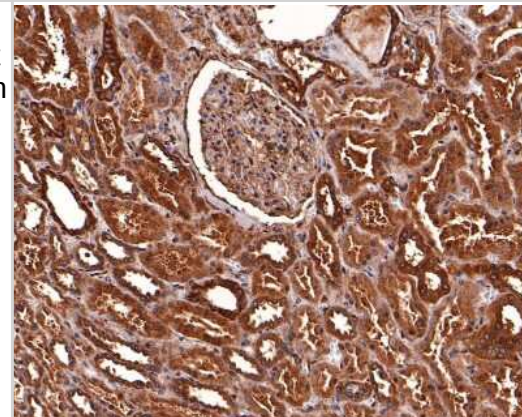
Immunohistochemistry-Paraffin: TXNIP Antibody (JM60-35) [NBP2-75692] - Analysis of paraffin-embedded mouse kidney tissue using anti-TXNIP antibody. Counter stained with hematoxylin.



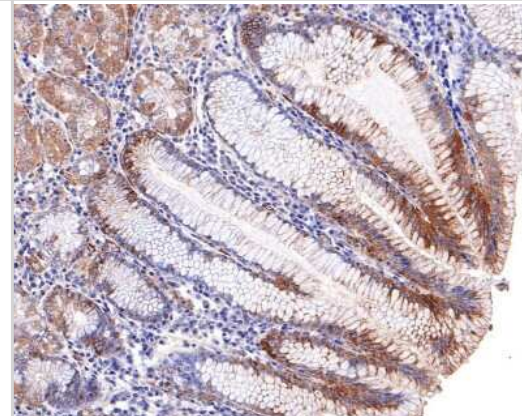
Immunohistochemistry-Paraffin: TXNIP Antibody (JM60-35) [NBP2-75692] - Analysis of paraffin-embedded mouse stomach tissue using anti-TXNIP antibody. Counter stained with hematoxylin.



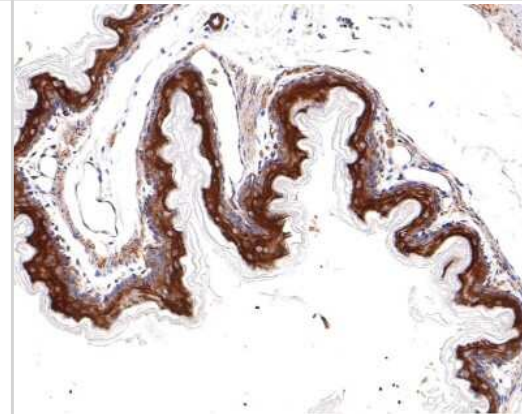
Immunohistochemistry-Paraffin: TXNIP Antibody (JM60-35) [NBP2-75692] - Analysis of paraffin-embedded human kidney tissue with Rabbit anti-TXNIP antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/400 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: TXNIP Antibody (JM60-35) [NBP2-75692] - Analysis of paraffin-embedded human stomach tissue with Rabbit anti-TXNIP antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/400 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: TXNIP Antibody (JM60-35) [NBP2-75692] - Analysis of paraffin-embedded mouse esophagus tissue with Rabbit anti-TXNIP antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/400 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



## Publications

Jandova J, Wondrak GT Vemurafenib drives EMT gene expression in BRAFi-resistant BRAFV600E/NRASQ61K melanoma enhancing tumor growth and metastasis in a bioluminescent murine model The Journal of investigative dermatology 2021-10-20 [PMID: 34687745]

Rolver M, Holland L, Prasad N Et al. Chronic Acidosis Rewires Cancer Cell Metabolism Through PPAR alpha Signaling SSRN Electronic Journal 2021-08-18 [PMID: 36533672]

Chu Y, Zhang Y, Gao G, et al. Chorionic Villous Mesenchymal Stem Cells Derived Exosomes Deliver miR-135b-5p to Trophoblasts, Promoting their Proliferation and Invasion by Targeting TXNIP via  $\beta$ -Catenin Pathway Research Square 2020-12-28 (WB)

Jandova J, Wondrak GT Genomic GLO1 deletion modulates TXNIP expression, glucose metabolism, and redox homeostasis while accelerating human A375 malignant melanoma tumor growth Redox biology 2020-12-17 [PMID: 33360689] (IHC-P, WB)





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### **Products Related to NBP2-75692**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP1-84784PEP | TXNIP Recombinant Protein Antigen                   |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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