

Product Datasheet

G3BP1 Antibody (JE35-20)

NBP3-32358

Unit Size: 100 ul

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

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NBP3-32358

G3BP1 Antibody (JE35-20)

Product Information

| | |
|--------------------------------|--|
| Unit Size | 100 ul |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | JE35-20 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG |
| Purity | Protein A purified |
| Buffer | 1*TBS (pH7.4), 0.05% BSA and 40% Glycerol |
| Target Molecular Weight | 52 kDa |

Product Description

| | |
|--------------------|--|
| Host | Rabbit |
| Gene ID | 10146 |
| Gene Symbol | G3BP1 |
| Species | Human, Mouse, Rat |
| Immunogen | Recombinant protein within Human G3BP1 aa 367-466 / 466. (Uniprot: Q13283) |

Product Application Details

| | |
|------------------------------|--|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:200-1:1000 |

Images

Western Blot: G3BP1 Antibody (JE35-20) [NBP3-32358] - Western blot analysis of G3BP1 on different lysates with Rabbit anti-G3BP1 antibody (NBP3-32358) at 1/500 dilution.

Lane 1: A549 cell lysate

Lane 2: N2A cell lysate

Lysates/proteins at 10 ug/Lane.

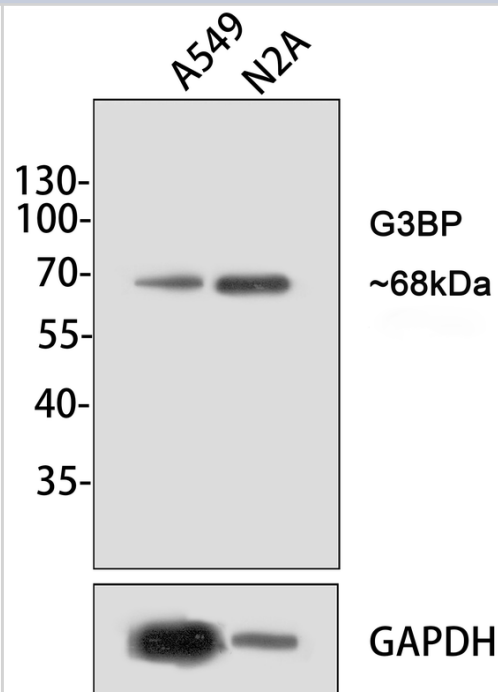
Predicted band size: 52 kDa

Observed band size: 68 kDa

Exposure time: 2 minutes;

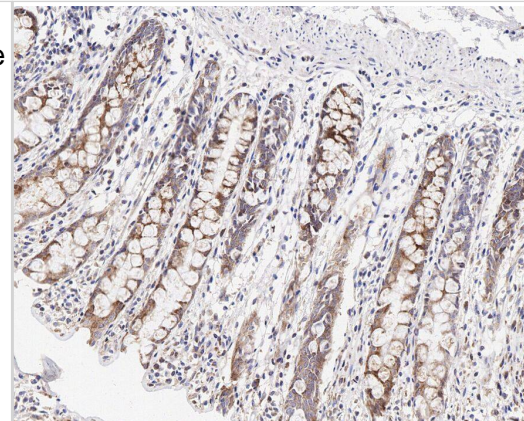
10% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32358) at 1/500 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature.



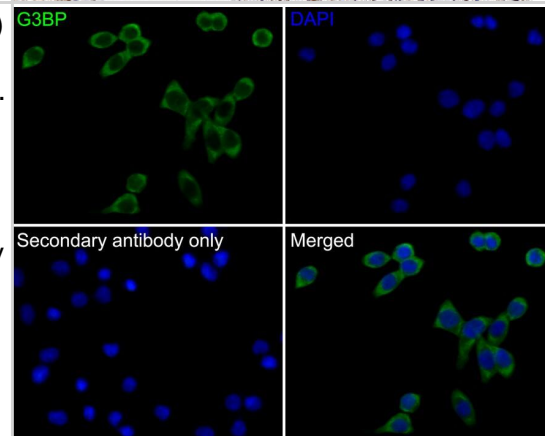
Immunohistochemistry: G3BP1 Antibody (JE35-20) [NBP3-32358] - Immunohistochemical analysis of paraffin-embedded human colon tissue with Rabbit anti-G3BP1 antibody (NBP3-32358) at 1/200 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32358) at 1/200 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.



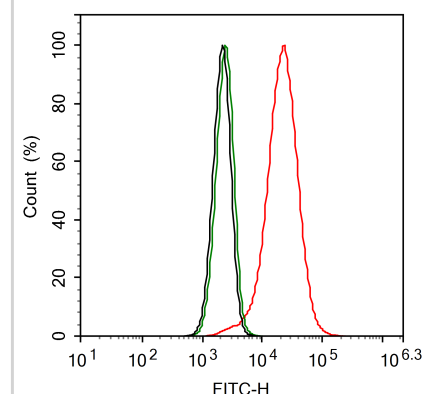
Immunocytochemistry/ Immunofluorescence: G3BP1 Antibody (JE35-20) [NBP3-32358] - Immunocytochemistry analysis of LOVO cells labeling G3BP1 with Rabbit anti-G3BP1 antibody (NBP3-32358) at 1/50 dilution.

Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-G3BP1 antibody (NBP3-32358) at 1/50 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Flow Cytometry: G3BP1 Antibody (JE35-20) [NBP3-32358] - Flow cytometric analysis of A549 cells labeling G3BP1.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32358, 1 µg/ml) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with a Alexa Fluor® 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 °C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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Products Related to NBP3-32358

| | |
|-----------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| NBP1-50925-50ug | Recombinant Human G3BP1 His Protein |

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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