

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	
Description	Novus Biologicals Rabbit G3BP1 Antibody (JE35-20) (NBP3-32358) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
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.

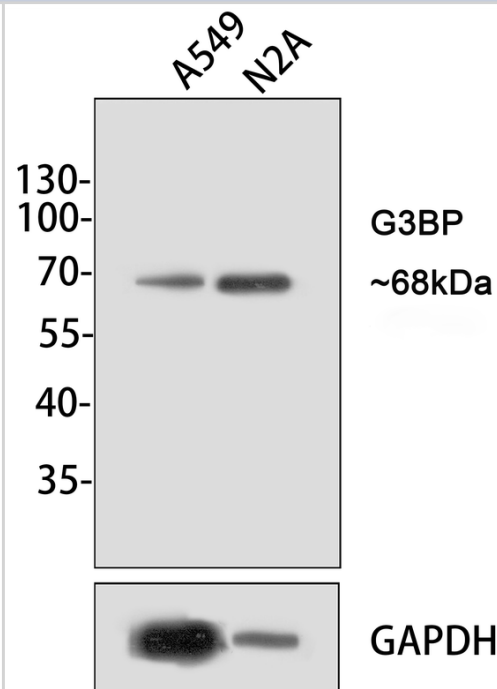
Predicted band size: 52 kDa

Observed band size: 68 kDa

Exposure time: 2 minutes;

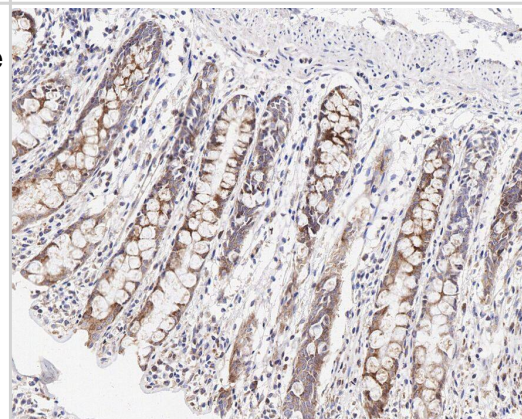
10% SDS-PAGE gel.

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.



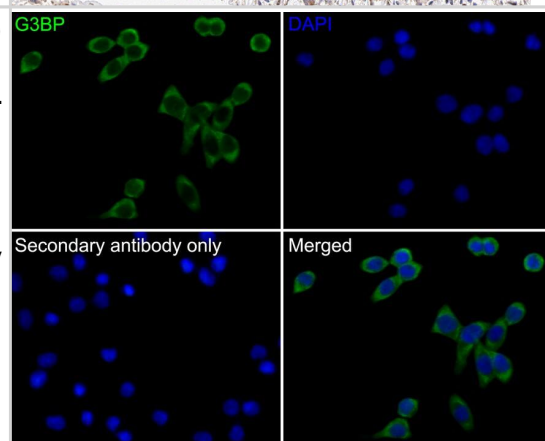
Immunohistochemistry: G3BP1 Antibody (JE35-20) [NBP3-32358] - Immunohistochemical analysis of paraffin-embedded human colon tissue with Rabbit anti-G3BP1 antibody (NBP3-32358) at 1/200 dilution.

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.



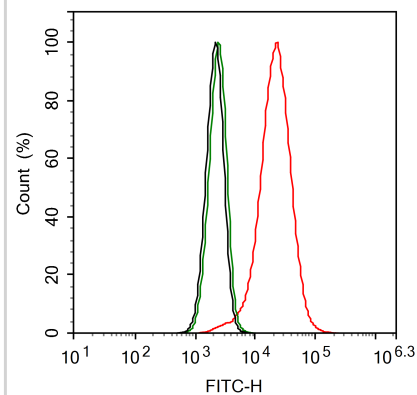
Immunocytochemistry/ Immunofluorescence: G3BP1 Antibody (JE35-20) [NBP3-32358] - Immunocytochemistry analysis of LOVO cells labeling G3BP1 with Rabbit anti-G3BP1 antibody (NBP3-32358) at 1/50 dilution.

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, 1ug/ml) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4h 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 +4h. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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Products Related to NBP3-32358

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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