

Product Datasheet

integrin beta 4 binding protein Antibody (A6A3-R) NBP3-32303

Unit Size: 100 ul

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

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NBP3-32303

integrin beta 4 binding protein Antibody (A6A3-R)

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	A6A3-R
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	27 kDa

Product Description	
Description	Novus Biologicals Mouse integrin beta 4 binding protein Antibody (A6A3-R) (NBP3-32303) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3692
Gene Symbol	EIF6
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human integrin beta 4 binding protein aa 1-200. (Uniprot: P56537)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:1000



Images

Western Blot: integrin beta 4 binding protein Antibody (A6A3-R) [NBP3-32303] - Western blot analysis of integrin beta 4 binding protein on different lysates with Mouse anti-integrin beta 4 binding protein antibody (NBP3-32303) at 1/1,000 dilution.

Lane 1: HeLa cell lysate
 Lane 2: HepG2 cell lysate
 Lane 3: RAW264.7 cell lysate
 Lane 4: NIH/3T3 cell lysate
 Lane 5: Mouse testis tissue lysate
 Lane 6: Rat kidney tissue lysate
 Lane 7: Rat testis tissue lysate

Lysates/proteins at 30 ug/Lane.

Predicted band size: 27 kDa
 Observed band size: 27 kDa

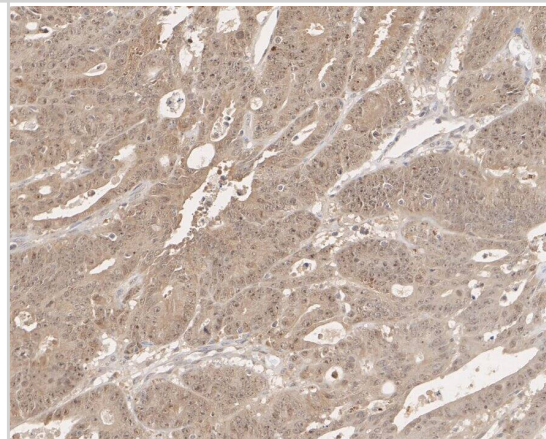
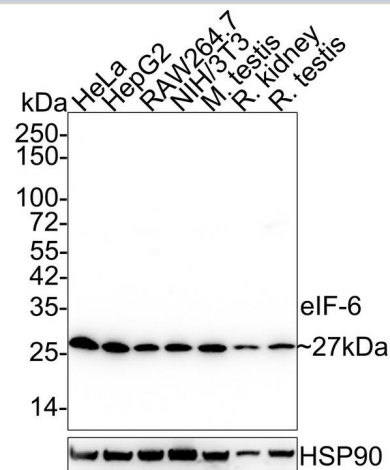
Exposure time: 30 seconds;

4-20% 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 (NBP3-32303) at 1/1,000 dilution was used in 5% NFDM/TBST at 4C overnight. Anti-Mouse IgG for IP Nano-secondary antibody (NBI02H) at 1/5,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: integrin beta 4 binding protein Antibody (A6A3-R) [NBP3-32303] - Immunohistochemical analysis of paraffin-embedded human colon cancer tissue with Mouse anti-integrin beta 4 binding protein antibody (NBP3-32303) at 1/1,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 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 (NBP3-32303) at 1/1,000 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.



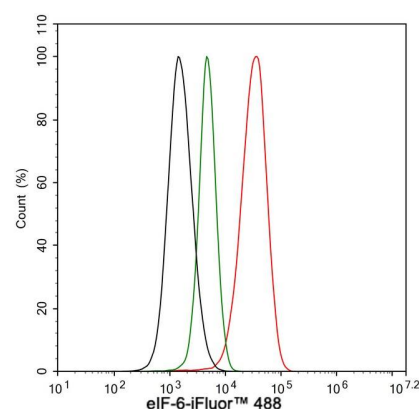
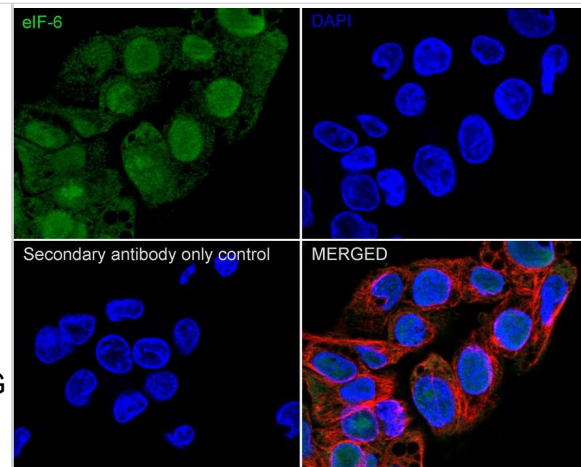
Immunocytochemistry/ Immunofluorescence: integrin beta 4 binding protein Antibody (A6A3-R) [NBP3-32303] - Immunocytochemistry analysis of HepG2 cells labeling integrin beta 4 binding protein with Mouse anti-integrin beta 4 binding protein antibody (NBP3-32303) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-integrin beta 4 binding protein antibody (NBP3-32303) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Mouse 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.

beta Tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.

Flow Cytometry: integrin beta 4 binding protein Antibody (A6A3-R) [NBP3-32303] - Flow cytometric analysis of HepG2 cells labeling integrin beta 4 binding protein.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32303, 1 µg/mL) (red) compared with Mouse IgG1 Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Mouse 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 NBP3-32303

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00003692-P01-10ug	Recombinant Human integrin beta 4 binding protein GST (N-Term) 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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