

Product Datasheet

GATA-3 Antibody (PD00-41)

NBP3-32374

Unit Size: 100 ul

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

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NBP3-32374

GATA-3 Antibody (PD00-41)

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	PD00-41
Preservative	0.05% Sodium Azide
Isotype	IgG2c
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	48 kDa

Product Description	
Description	Novus Biologicals Mouse GATA-3 Antibody (PD00-41) (NBP3-32374) 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	Mouse
Gene ID	2625
Gene Symbol	GATA3
Species	Human
Immunogen	Synthetic peptide. (Uniprot: P23771)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:200-1:1000



Images

Western Blot: GATA-3 Antibody (PD00-41) [NBP3-32374] - Western blot analysis of GATA-3 on different lysates with Mouse anti-GATA-3 antibody (NBP3-32374) at 1/1,000 dilution.

Lane 1: Hela cell lysate (10 ug/Lane)

Lane 2: Hela cell lysate (20 ug/Lane)

Predicted band size: 48 kDa

Observed band size: 48/35 kDa

Exposure time: 1 minute;

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 (NBP3-32374) at 1/1,000 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:150,000 dilution was used for 1 hour at room temperature.

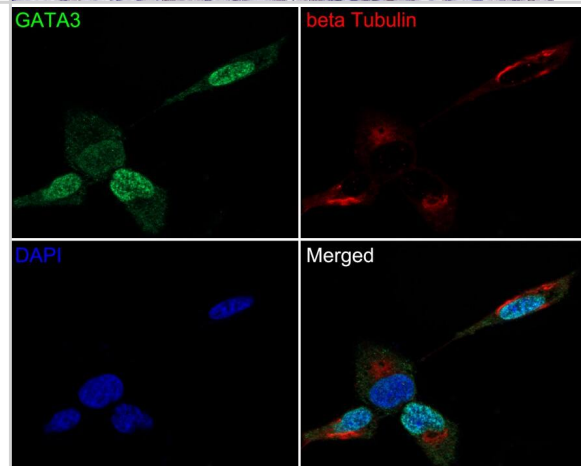
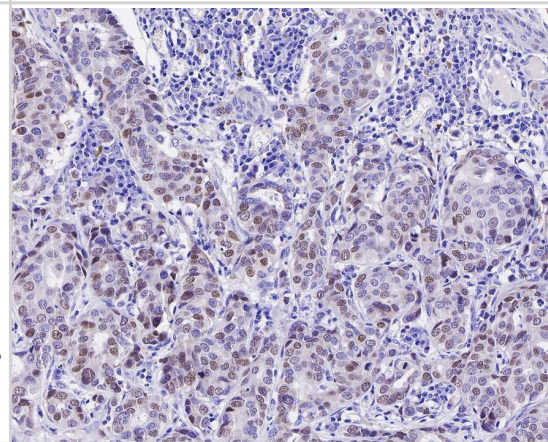
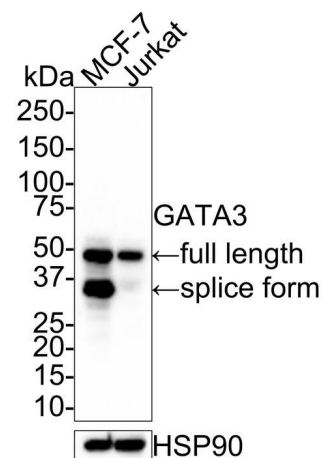
Immunohistochemistry: GATA-3 Antibody (PD00-41) [NBP3-32374] - Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue with Mouse anti-GATA-3 antibody (NBP3-32374) at 1/1,000 dilution.

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 (NBP3-32374) 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: GATA-3 Antibody (PD00-41) [NBP3-32374] - Immunocytochemistry analysis of SH-SY5Y cells labeling GATA-3 with Mouse anti-GATA-3 antibody (NBP3-32374) at 1/50 dilution.

Cells were fixed in 4% paraformaldehyde for 30 minutes, 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 Mouse anti-GATA-3 antibody (NBP3-32374) at 1/50 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. 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.





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Products Related to NBP3-32374

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
H00002625-P02-2ug	Recombinant Human GATA-3 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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