

Product Datasheet

HOXB4 Antibody (JE36-65)

NBP3-32440

Unit Size: 100 ul

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

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NBP3-32440

HOXB4 Antibody (JE36-65)

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	JE36-65
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	28 kDa
Product Description	
Host	Rabbit
Gene ID	3214
Gene Symbol	HOXB4
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human HOXB4 aa 11-60 / 251. (Uniprot: P17483)
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:1000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:200



Images

Western Blot: HOXB4 Antibody (JE36-65) [NBP3-32440] - Western blot analysis of HOXB4 on different lysates with Rabbit anti-HOXB4 antibody (NBP3-32440) at 1/1,000 dilution.

Lane 1: Jurkat cell lysate
Lane 2: HL-60 cell lysate
Lane 3: PC-12 cell lysate
Lane 4: Mouse liver tissue lysate

Lysates/proteins at 30 ug/Lane.

Predicted band size: 28 kDa
Observed band size: 34 kDa

Exposure time: 5 minutes;

4-20% SDS-PAGE gel.

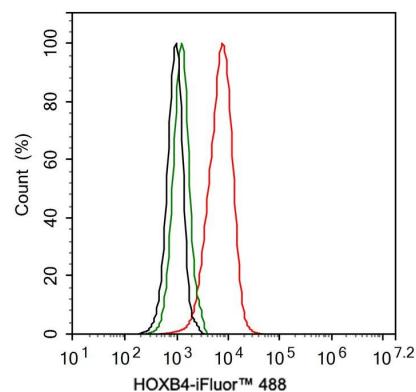
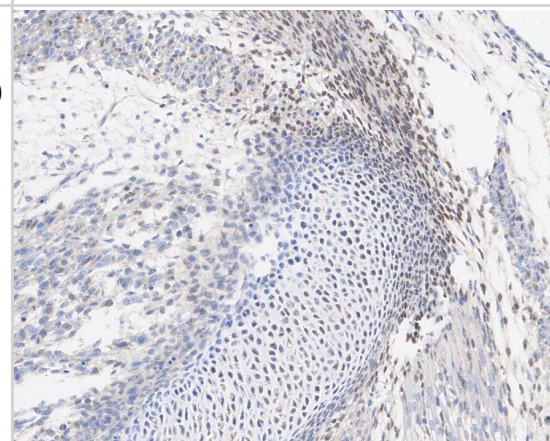
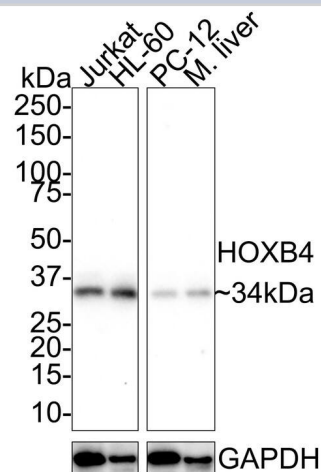
Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32440) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: HOXB4 Antibody (JE36-65) [NBP3-32440] - Immunohistochemical analysis of paraffin-embedded mouse embryo cartilage tissue with Rabbit anti-HOXB4 antibody (NBP3-32440) at 1/200 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 (NBP3-32440) 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.

Flow Cytometry: HOXB4 Antibody (JE36-65) [NBP3-32440] - Flow cytometric analysis of HL-60 cells labeling HOXB4.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32440, 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 iFluor™ 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 NBP3-32440

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00003214-Q01-10ug	Recombinant Human HOXB4 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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