Product Datasheet

HMGB2 Antibody (JE52-82)
NBP3-32436

Unit Size: 100 ul

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

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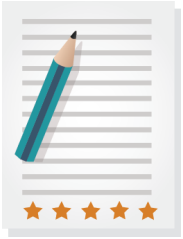
Updated 9/9/2025 v.20.1



NBP3-32436

HMGB2 Antibody (JE52-82)

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	JE52-82
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	24 kDa

Product Description	
Description	Novus Biologicals Rabbit HMGB2 Antibody (JE52-82) (NBP3-32436) 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	Rabbit
Gene ID	3148
Gene Symbol	HMGB2
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human HMGB2 aa 1-50 / 209. (Uniprot: P26583)

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 1:100-1:250, Immunohistochemistry-Paraffin 1:500-1:2000

Images

Western Blot: HMGB2 Antibody (JE52-82) [NBP3-32436] - Western blot analysis of HMGB2 on different lysates with Rabbit anti-HMGB2 antibody (NBP3-32436) at 1/1,000 dilution.

Lane 1: HeLa cell lysate
Lane 2: MCF7 cell lysate
Lane 3: HEK-293 cell lysate
Lane 4: K-562 cell lysate
Lane 5: NIH/3T3 cell lysate
Lane 6: PC-12 cell lysate
Lane 7:Mouse testis tissue lysate

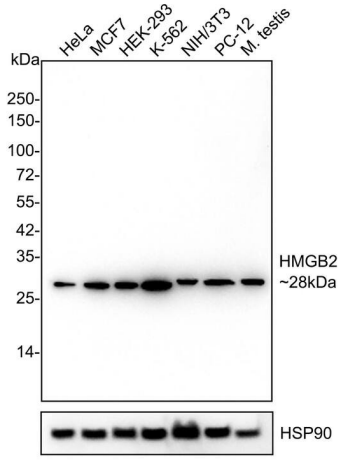
Cell lysates/proteins at 20 ug/Lane.
Tissue lysates/proteins at 30 ug/Lane.

Predicted band size: 24kDa
Observed band size: 28 kDa

Exposure time: 3 minutes 10 seconds;

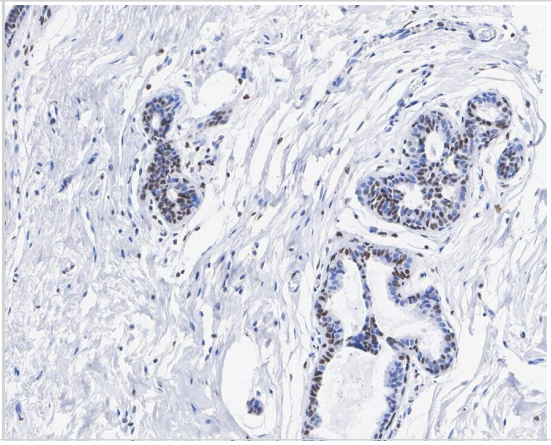
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32436) at 1/1,000 dilution was used in 5% NFDM/TBST at 4 overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



Immunohistochemistry: HMGB2 Antibody (JE52-82) [NBP3-32436] - Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue with Rabbit anti-HMGB2 antibody (NBP3-32436) at 1/500 dilution.

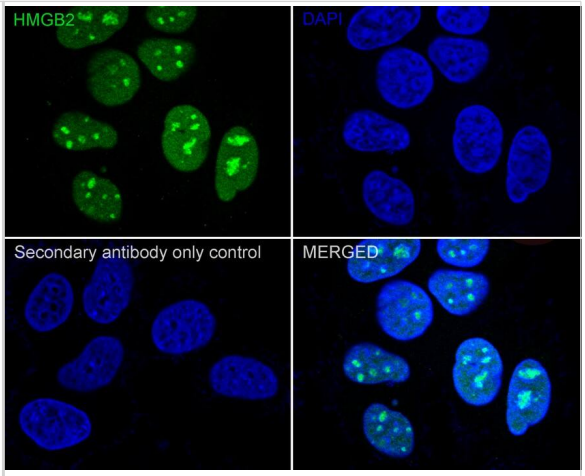
The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (NBP3-32436) at 1/500 dilution for 1 hour at 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: HMGB2 Antibody (JE52-82) [NBP3-32436] - Immunocytochemistry analysis of MCF7 cells labeling HMGB2 with Rabbit anti-HMGB2 antibody (NBP3-32436) at 1/200 dilution.

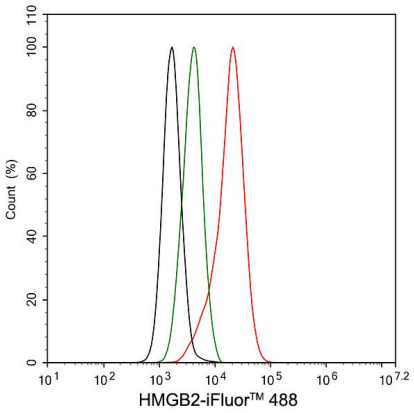
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-HMGB2 antibody (NBP3-32436) at 1/200 dilution in 1% BSA in PBST overnight at 4 □. 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.

Beta tubulin (red) was stained at 1/100 dilution overnight at +4□. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.



Flow Cytometry: HMGB2 Antibody (JE52-82) [NBP3-32436] - Flow cytometric analysis of MCF7 cells labeling HMGB2.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32436, 1µg/mL) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4□ 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□. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).



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Products Related to NBP3-32436

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

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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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