

Product Datasheet

HIF-1 alpha Antibody (JE75-33) NBP3-32424

Unit Size: 100 ul

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

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NBP3-32424

HIF-1 alpha Antibody (JE75-33)

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	JE75-33
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	93 kDa

Product Description	
Host	Rabbit
Gene ID	3091
Gene Symbol	HIF1A
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human HIF-1 alpha aa 251-550 / 826. (Uniprot: Q16665)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200-1:500



Images

Western Blot: HIF-1 alpha Antibody (JE75-33) [NBP3-32424] - Western blot analysis of HIF-1 alpha on different lysates with Rabbit anti-HIF-1 alpha antibody (NBP3-32424) at 1/1,000 dilution.

Lane 1: HeLa cell lysate

Lane 2: HeLa treated with 250uM CoCl₂ for 6 hours cell lysate

Lane 3: HepG2 cell lysate

Lane 4: HepG2 treated with 250uM CoCl₂ for 6 hours cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 93 kDa

Observed band size: 120 kDa

Exposure time: 1 minute 2 seconds;

4-20% SDS-PAGE gel.

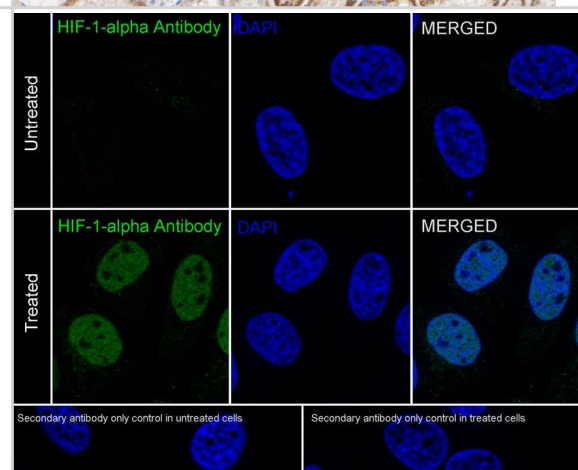
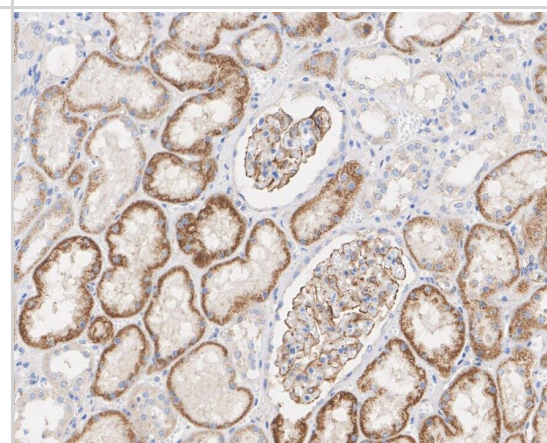
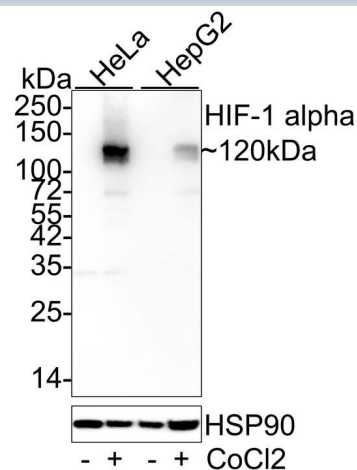
Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32424) at 1/1,000 dilution was used in 5% NFDM/TBST at 4 overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: HIF-1 alpha Antibody (JE75-33) [NBP3-32424] - Immunohistochemical analysis of paraffin-embedded human kidney tissue with Rabbit anti-HIF-1 alpha antibody (NBP3-32424) 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 (NBP3-32424) 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: HIF-1 alpha Antibody (JE75-33) [NBP3-32424] - Immunocytochemistry analysis of HeLa cells treated with or without 500μM CoCl₂ for 24 hours labeling HIF-1 alpha with Rabbit anti-HIF-1 alpha antibody (NBP3-32424) 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 Rabbit anti-HIF-1 alpha antibody (NBP3-32424) at 1/100 dilution in 1% BSA in PBST 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.





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Products Related to NBP3-32424

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00003091-P01-10ug	Recombinant Human HIF-1 alpha 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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