

Product Datasheet

HIF-1 alpha Antibody (2443B) - BSA Free NBP2-75977

Unit Size: 0.1 mg

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

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NBP2-75977

HIF-1 alpha Antibody (2443B) - BSA Free

Product Information

Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2443B
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	PBS

Product Description

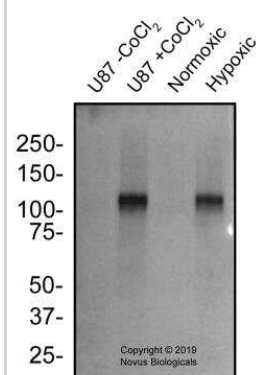
Host	Rabbit
Gene ID	3091
Gene Symbol	HIF1A
Species	Human
Immunogen	This recombinant HIF-1 alpha Antibody (2443B) was developed against partial recombinant human HIF-1 alpha protein (amino acids 1-826) [Uniprot# Q16665].

Product Application Details

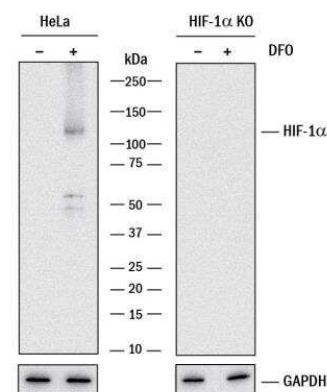
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Knockout Validated
Recommended Dilutions	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Knockout Validated
Application Notes	See Simple Western Antibody Database for Simple Western validation.

Images

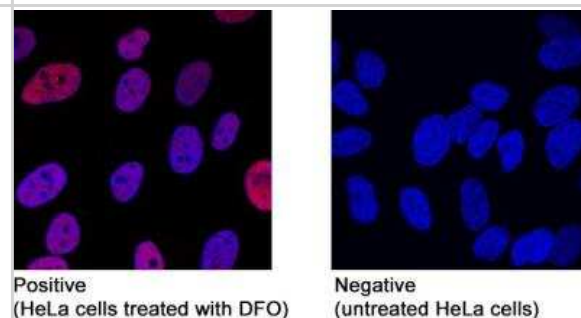
Western Blot: HIF-1 alpha Antibody (2443B) [NBP2-75977] - Total protein from Human U87 cells treated with or without CoCl₂ and under Normoxic and Hypoxic conditions was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-HIF-1 alpha in 5% non-fat milk in TBST and detected with an anti-rabbit HRP secondary antibody using chemiluminescence.



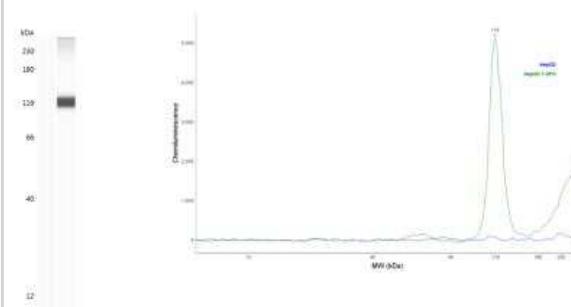
Western Blot: HIF-1 alpha Antibody (2443B) [NBP2-75977] - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and HIF-1 alpha knockout HeLa cell line (KO) untreated (-) or treated (+) with 1 mM DFO for overnight. PVDF membrane was probed with 2 ug/mL of Rabbit Anti-Human HIF-1 alpha Monoclonal Antibody (NBP2-75977) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for HIF-1 alpha at an approximate molecular weight of 120 kDa (as indicated) in the parental HeLa cell line, but is not detectable in knockout HeLa cell line. GAPDH (Catalog # MAB5718) is shown as a loading control. This experiment was conducted under reducing conditions.



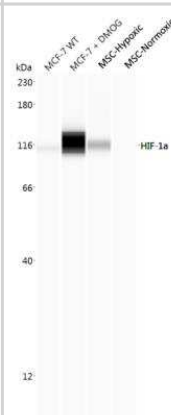
Immunocytochemistry/Immunofluorescence: HIF-1 alpha Antibody (2443B) [NBP2-75977] - Immunofluorescent staining of HIF-1 alpha using catalog number NBP2-75977 (clone 2443B). Staining was observed in HeLa cells treated with DFO but not in untreated HeLa cells.



Simple Western: HIF-1 alpha Antibody (2443B) [NBP2-75977] - Lane view shows a specific band for HIF-1 alpha in HepG2 +/- DFO cell lysate using 20ug/ml. Electropherogram image of corresponding Simple Western lane view at WES molecular weight of 116 KDa. Image from an internal validation.



Simple Western: HIF-1 alpha Antibody (2443B) [NBP2-75977] - Simple Western lane view shows lysates of MCF +/- DMOG, BioSpherix MSCs in hypoxic conditions, and BioSpherix MSCs in normoxic conditions loaded at 0.5 mg/ml. A band was detected for HIF-1 alpha at approximately 116 kDa (as indicated) using NBP2-75977 (1:100 dilution) followed by Anti-Rabbit Secondary Antibody (042-206, ProteinSimple). This experiment was conducted under standard assay conditions, and using the 12-230 kDa separation module (SW-W004). Non-specific interaction with the 230 kDa Simple Western standard may be seen with this antibody. Image from an internal validation.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-75977

NBP3-11826	HIF-1 alpha Knockout CoCl ₂ -treated/untreated HeLa Cell Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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