

# 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

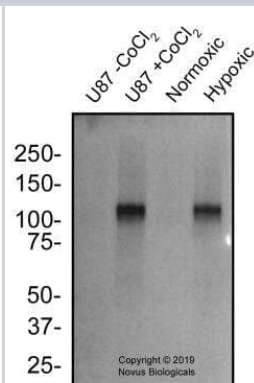
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2443B
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit HIF-1 alpha Antibody (2443B) - BSA Free (NBP2-75977) is a recombinant monoclonal antibody validated for use in WB, ICC/IF and Simple Western. All Novus Biologicals antibodies are covered by our 100% guarantee.
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].

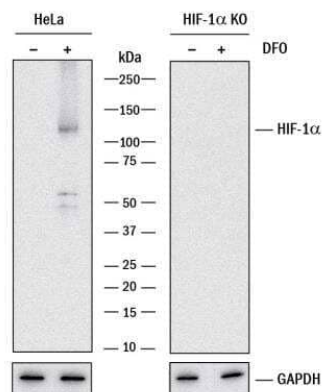
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Knockout Validated
Recommended Dilutions	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Knockout Validated
Application Notes	See <a href="#">Simple Western Antibody Database</a> for Simple Western validation.

**Images**

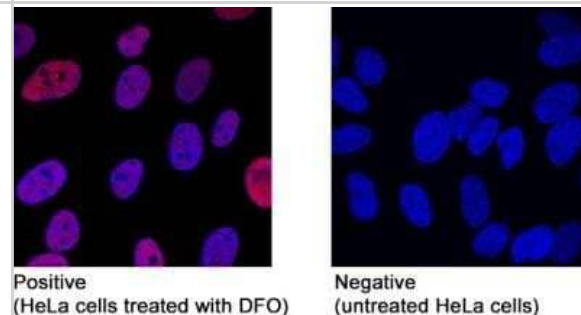
Western Blot: HIF-1 alpha Antibody (2443B) [NBP2-75977] - Total protein from Human U87 cells treated with or without CoCl<sub>2</sub> and under Normoxic and Hypoxic conditions was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was 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.



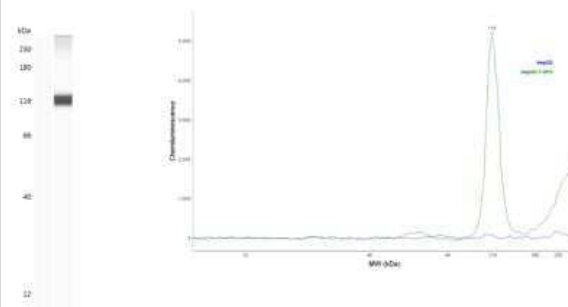
**Western Blot: HIF-1 alpha Antibody (2443B) [NBP2-75977]** - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and HIF-1 alpha knockout HeLa cell line (KO) untreated (-) or treated (+) with 1 mM DFO for overnight. PVDF membrane was probed with 2 ug/mL of Rabbit 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.



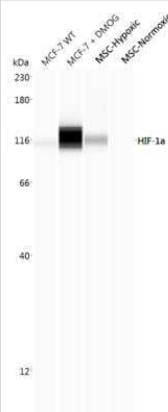
**Immunocytochemistry/Immunofluorescence: HIF-1 alpha Antibody (2443B) [NBP2-75977]** - Immunofluorescent staining of HIF-1 alpha using catalog number NBP2-75977 (clone 2443B). Staining was observed in HeLa cells treated with DFO but not in untreated HeLa cells.



**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.





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### **Products Related to NBP2-75977**

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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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### **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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