

# Product Datasheet

## HIF-1 alpha Antibody (2443B) - Azide and BSA Free NBP2-80764

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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Updated 2/9/2023 v.20.1

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**NBP2-80764**

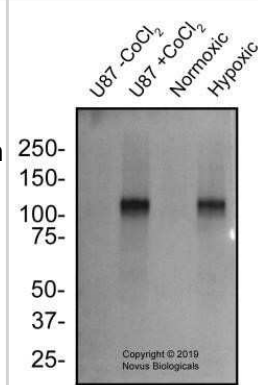
HIF-1 alpha Antibody (2443B) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2443B
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	3091
<b>Gene Symbol</b>	HIF1A
<b>Species</b>	Human
<b>Immunogen</b>	This recombinant HIF-1 alpha Antibody (2443B) was developed against partial recombinant human HIF-1 alpha protein (amino acids 1-826) [Uniprot# Q16665].
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, Immunocytochemistry/Immunofluorescence, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot, Simple Western, Immunocytochemistry/Immunofluorescence, Knockout Validated
<b>Application Notes</b>	Simple western reported by internal validator.

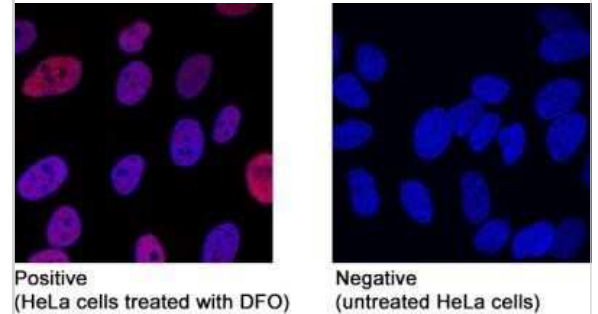


## Images

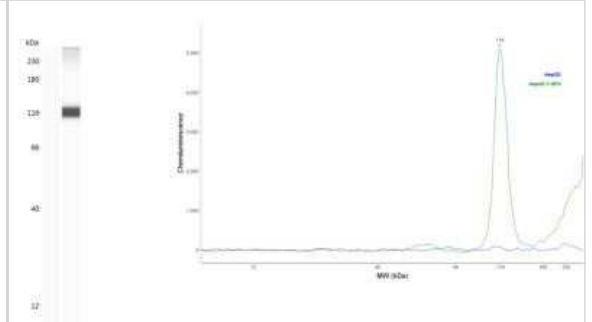
**Western Blot: HIF-1 alpha Antibody (2443B) - Azide and BSA Free [NBP2-80764]** - Total protein from Human U87 cells treated with or without CoCl<sub>2</sub> and under Normoxic and Hypoxic conditions was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk 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. Image from the standard format of this antibody.



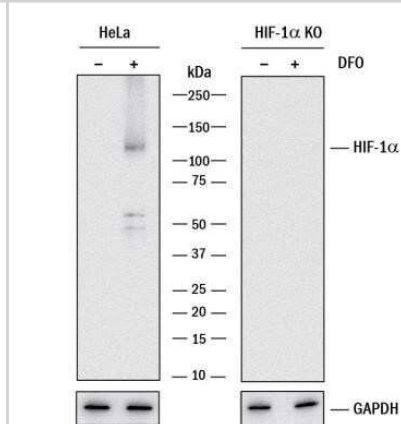
**Immunocytochemistry/Immunofluorescence: HIF-1 alpha Antibody (2443B) - Azide and BSA Free [NBP2-80764]** - Immunofluorescent staining of HIF-1 alpha using catalog number NBP2-75977 (clone 2443B). Staining was observed in HeLa cells treated with DFO but not in untreated HeLa cells. Image from the standard format of this antibody.



**Simple Western: HIF-1 alpha Antibody (2443B) - Azide and BSA Free [NBP2-80764]** - 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. Image from the standard format of this antibody.



**Knockout Validated: HIF-1 alpha Antibody (2443B) - Azide and BSA Free [NBP2-80764]** - 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. Image from the standard format of this antibody.





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### **Products Related to NBP2-80764**

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NBP3-11826	HIF-1 alpha Knockout CoCl <sub>2</sub> -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

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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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