

# Product Datasheet

## HIF-1 alpha Antibody (2443C) - Azide and BSA Free NBP2-80765

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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**NBP2-80765**

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

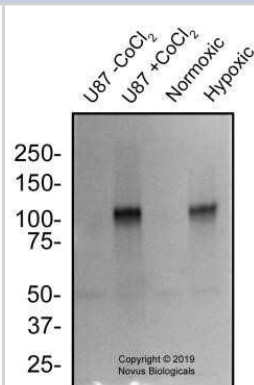
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2443C
Preservative	No Preservative
Isotype	IgG
Purity	Protein A or G purified
Buffer	PBS

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

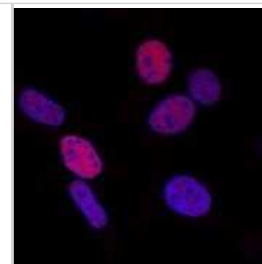
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 1 - 2 ug/ml, Simple Western, Immunohistochemistry 1 ug/ml, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1 ug/ml, Knockout Validated

**Images**

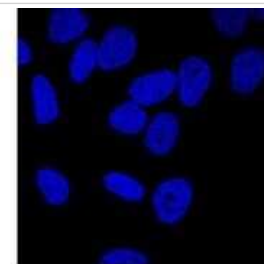
Western Blot: HIF-1 alpha Antibody (2443C) - Azide and BSA Free [NBP2-80765] - Total protein from Human U87 cells treated with or without CoCl<sub>2</sub> and under Normoxic and Hypoxic conditions was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in 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 (2443C) - Azide and BSA Free [NBP2-80765] - 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.

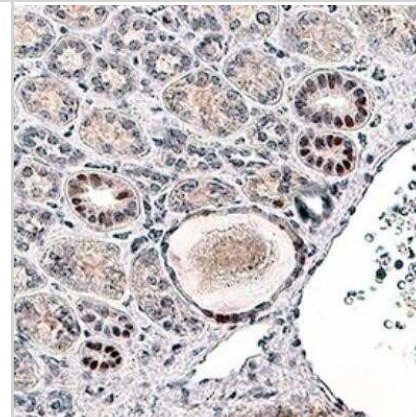


Positive  
(HeLa cells treated with DFO)

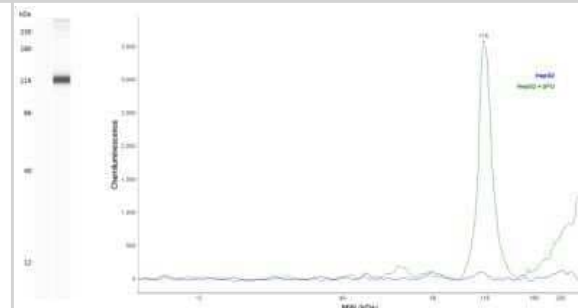


Negative  
(untreated HeLa cells)

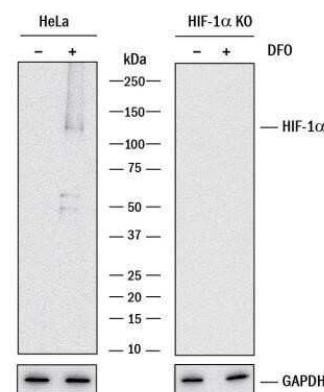
Immunohistochemistry: HIF-1 alpha Antibody (2443C) - Azide and BSA Free [NBP2-80765] - HIF-1 alpha (clone 2443C) was detected in immersion fixed paraffin-embedded sections of human kidney using Rabbit Anti-Human HIF-1 alpha Monoclonal Antibody (Catalog # NBP2-75978) at 1.0 ug/mL for 1 hour at room temperature followed by incubation with the



Simple Western: HIF-1 alpha Antibody (2443C) - Azide and BSA Free [NBP2-80765] - Lane view shows a specific band for HIF-1 alpha in HepG2 +/- DFO cell lysate using 20 ug/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 (2443C) - Azide and BSA Free [NBP2-80765] - 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 (Catalog # NBP2-75978) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for HIF-1 alpha at approximately 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. Image from the standard format of this antibody.





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### **Products Related to NBP2-80765**

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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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