

Product Datasheet

HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free **NBP2-80766**

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-80766

HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	ep190b
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	96.5 kDa

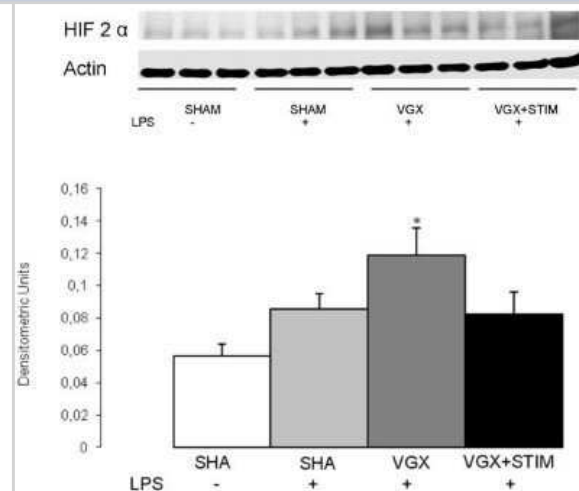
Product Description	
Host	Mouse
Gene ID	2034
Gene Symbol	EPAS1
Species	Human, Mouse, Rat, Bovine, Hamster
Reactivity Notes	Ability to use HIF-2 alpha/EPAS1 Antibody (ep190b) in mouse is mixed with some positive and some negative results.
Immunogen	The immunogen recognized by this HIF-2 alpha/EPAS1 Antibody (ep190b) maps to a region between amino acids 535-631. [UniProt# Q99814]

Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Flow Cytometry, Gel Super Shift Assays, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, In vivo assay, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), CyTOF-ready, Gel Supershift Assay, Knockdown Validated
Recommended Dilutions	Western Blot 1 - 2 ug/mL, Simple Western 1:100, Flow Cytometry 1:400, ELISA 1:100-1:2000, Immunohistochemistry 1:150 - 1:300, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin 1:150 - 1:300, Immunohistochemistry-Frozen reported in scientific literature (PMID 24973414), Gel Super Shift Assays reported in scientific literature (PMID 17404621), In vivo assay reported in scientific literature (PMID 23857308), Gel Supershift Assay, Chromatin Immunoprecipitation (ChIP), CyTOF-ready, Knockdown Validated
Application Notes	<p>In WB, this HIF-2 alpha (ep190b) antibody recognizes a band at approx. 118 kDa representing HIF-2 alpha.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.</p> <p>See Simple Western Antibody Database for Simple Western validation: antibody dilution of 1:100. Separated by Size-Wes, Sally Sue/Peggy Sue.</p> <p>The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.</p>

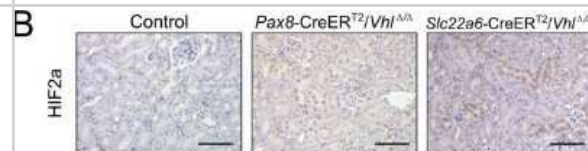


Images

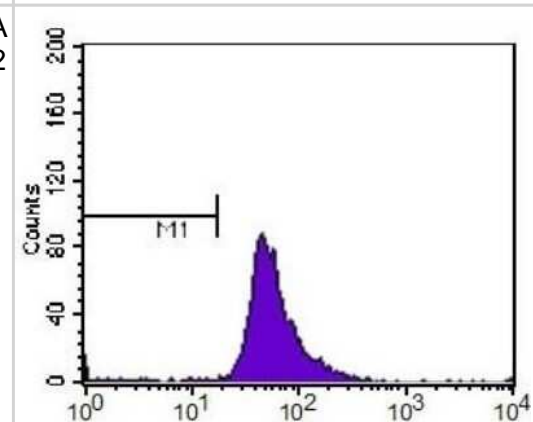
Western Blot: HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free [NBP2-80766] - Western blot analysis and quantification of HIF-2 alpha expression in the cortex 4.5 hours after lipopolysaccharide (LPS) administration for all LPS groups and the control group (SHAM, white bar). With the exception of the vagotomy group (VGX LPS, gray bar), no significant differences to the SHAM group were found in the LPS-treated and sham-operated (SHAM+LPS, light gray bar) or vagus nerve-stimulated groups (VGX LPS+STIM, black bar). The significant increase in the VGX LPS (gray bar) group is an indicator of a hypoxic condition; * $P < 0.05$ compared to SHAM; $n = 6$ rats each. Data are given as the mean \pm SEM. Image collected and cropped by CiteAb from the following publication (<https://jneuroinflammation.biomedcentral.com/articles/10.1186/1742-2094-9-183>), licensed under a CC-BY license. Image from the standard format of this antibody.



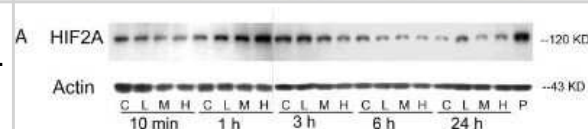
Immunohistochemistry: HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free [NBP2-80766] - Renal tubule specific models of Vhl deletion. Histological images of representative renal sections from 12 month old control, Pax8-CreERT2/Vhldelta/delta and Slc22a6-CreERT2/Vhldelta/delta mice (stains and antibodies as indicated, arrowheads indicate abno



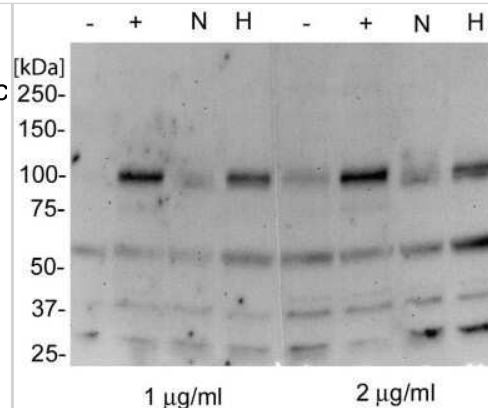
Flow Cytometry: HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free [NBP2-80766] - HIF-2 alpha antibody was tested at 1:400 in HepG2 cells using an Alexa Fluor 488 secondary (shown in purple). M1 is defined by unstained cells. Image from the standard format of this antibody.



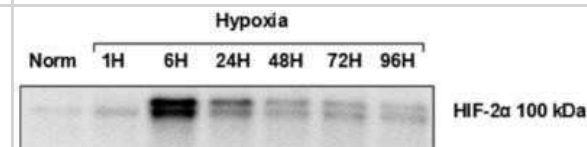
Western Blot: HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free [NBP2-80766] - 4-OOHCPA exposure induced HIF-2 alpha/EPAS1. A: Western blot analysis of HIF-2 alpha/EPAS1 protein (118KD) and actin (43KD) in limbs at 10 min, 1, 3, 6, and 24 h after treatment with 4-OOHCPA at 0.3 μ g/mL (L) 1.0 μ g/mL (M) or 3.0 μ g/mL (H). P represents the positive control. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0051937>), licensed under a CC-BY license. Image from the standard format of this antibody.



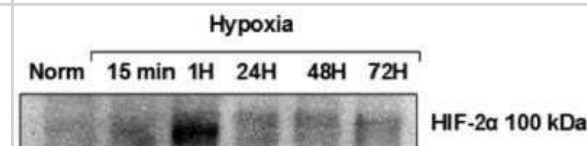
Western Blot: HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free [NBP2-80766] - Analysis of HepG2 without Cobalt (II) Chloride (1), HepG2 with Cobalt (II) Chloride (2), HepG2 normoxic (3), HepG2 hypoxic (4), HepG2 without Cobalt (II) Chloride (5), HepG2 with Cobalt (II) Chloride (6), HepG2 normoxic (7), and HepG2 hypoxic (8) using this antibody (NB100-132) at 1 - 2 ug/mL. Image from the standard format of this antibody.



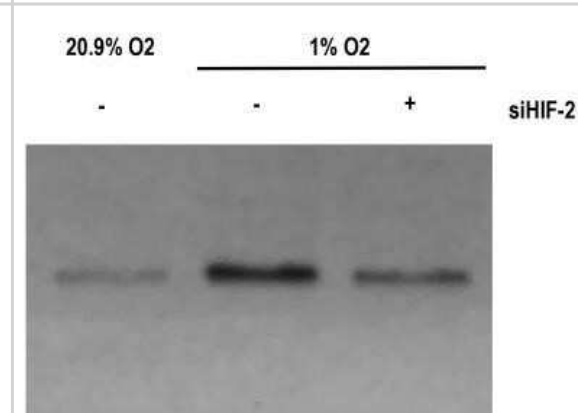
Western Blot: HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free [NBP2-80766] - Analysis of HIF-2 alpha stabilization over time in 791T cells following exposure to hypoxia. [PMID: 23785417]. Image using the HRP form of this antibody. Image from the standard format of this antibody.



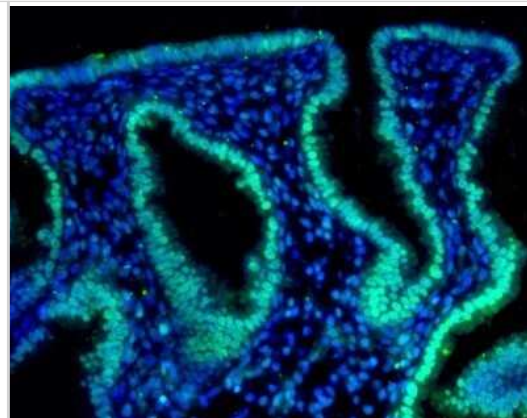
Western Blot: HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free [NBP2-80766] - Analysis of HIF-2 alpha stabilization over time in HOS cells following exposure to hypoxia. [PMID: 23785417]. Image using the HRP form of this antibody. Image from the standard format of this antibody.



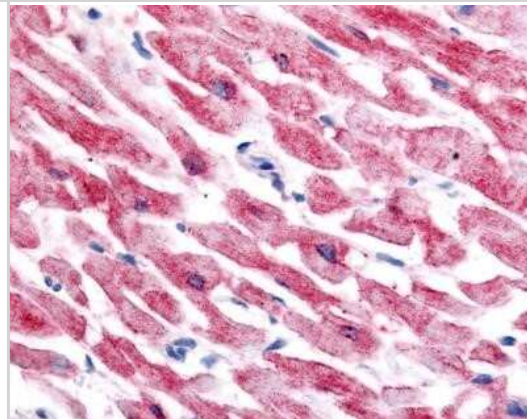
Western Blot: HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free [NBP2-80766] - Mouse aortic endothelial cells treated (1%) or not treated (20.9%) in hypoxia for 3 hrs. Cells were also transfected with a specific siRNA against (siHIF-2) or a control siRNA (-). Western blot image submitted by a verified customer review. Image from the standard format of this antibody.



Immunohistochemistry: HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free [NBP2-80766] - Analysis of HIF-2 alpha in human endometrium using. Donkey anti-mouse Alexa Fluor 488 secondary antibody was used. IHC image submitted by a verified customer review. Image from the standard format of this antibody.



Immunohistochemistry: HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free [NBP2-80766] - Analysis of HIF-2 in human cardiac myocytes using HIF-2 alpha/EPAS1 Antibody (ep190b). Image from the standard format of this antibody.



Simple Western: HIF-2 alpha/EPAS1 Antibody (ep190b) - Azide and BSA Free [NBP2-80766] - Lane view shows a specific band for HIF-2 alpha in 0.5 mg/mL of Hypoxic HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Image from the standard format of this antibody.





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NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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