

Product Datasheet

HIF-2 alpha/EPAS1 Antibody (ep190b) [HRP] NB100-132H

Unit Size: 0.1 ml

Store at 4C in the dark.

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NB100-132H

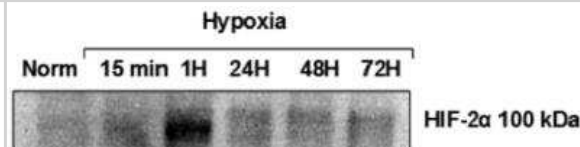
HIF-2 alpha/EPAS1 Antibody (ep190b) [HRP]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	ep190b
Preservative	No Preservative
Isotype	IgG1
Conjugate	HRP
Purity	Protein G purified
Buffer	PBS
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. Use in Bovine reported in scientific literature (PMID:32054096).
Specificity/Sensitivity	This HIF-2 alpha/EPAS1 Antibody (ep190b) is specific for HIF-2 alpha/EPAS1, and does not cross-react with HIF-1 alpha.
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), Gel Supershift Assay, Knockdown Validated
Recommended Dilutions	Western Blot, Simple Western, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Gel Super Shift Assays, In vivo assay, Gel Supershift Assay, Chromatin Immunoprecipitation (ChIP), Knockdown Validated
Application Notes	Optimal dilution of this antibody should be experimentally determined.

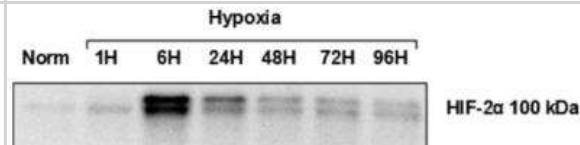


Images

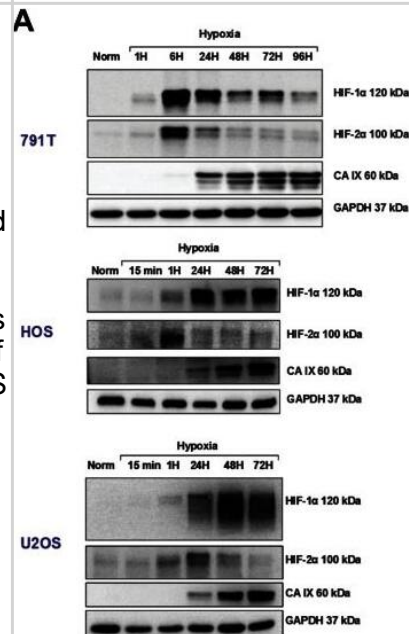
Western Blot: HIF-2 alpha/EPAS1 Antibody (ep190b) [HRP] [NB100-132H] - Analysis of HIF-2 alpha stabilization over time in HOS cells following exposure to hypoxia. Image collected and cropped by CiteAb from the following publication ([//pubmed.ncbi.nlm.nih.gov/23785417/](https://pubmed.ncbi.nlm.nih.gov/23785417/)) licensed under a CC-BY license.



Western Blot: HIF-2 alpha/EPAS1 Antibody (ep190b) [HRP] [NB100-132H] - Analysis of HIF-2 alpha stabilization over time in 791T cells following exposure to hypoxia. Image collected and cropped by CiteAb from the following publication ([//pubmed.ncbi.nlm.nih.gov/23785417/](https://pubmed.ncbi.nlm.nih.gov/23785417/)) licensed under a CC-BY license.



Western Blot: HIF-2 alpha/EPAS1 Antibody (ep190b) [HRP] [NB100-132H] - Regulation of HIF-1 expression in osteosarcoma cells. A, Western blots showing the time course of HIF-1α & HIF-2α stabilisation & protein levels of the HIF-1 transcriptional target carbonic anhydrase IX (CA IX) in 791T, HOS & U2OS cells after exposure to hypoxia. GAPDH is a loading control. Data are representative of 3 independent experiments. B, Graphs show $2^{-\Delta\Delta CT}$ where CT is the cross-threshold & represents the change in Glut-1 mRNA expression with time in 791T, HOS & U2OS cells in hypoxia relative to normoxia, where 1 would be equivalent expression in normoxia & hypoxia & greater than 1 represents an increase in hypoxia relative to normoxia. Data are the mean \pm SEM of 2 independent experiments. C, VEGF-A levels in the supernatant of HOS & U2OS cells detected by enzyme-linked immunosorbent assay after 24 hours in normoxia or hypoxia, normalised to cell number. Data are the mean \pm SEM of 3 independent experiments. * indicates $p < 0.05$ as determined by the 2-tailed student t-test. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/23785417/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Szendroi A, Szasz AM, Kardos M et al. Opposite prognostic roles of HIF1alpha and HIF2alpha expressions in bone metastatic clear cell renal cell cancer. *Oncotarget*. 2016-05-27 [PMID: 27244898] (IF/IHC)

Details:

This citation used the HRP version of this antibody.

Nusken E, Wohlfarth M, Lippach G et al. Reduced Perinatal Leptin Availability May Contribute to Adverse Metabolic Programming in a Rat Model of Uteroplacental Insufficiency. *Endocrinology*. 2016-05-01 [PMID: 27007072]

Details:

This citation used the HRP version of this antibody.

Adamski J, Price A, Dive C, Makin G. Hypoxia-induced cytotoxic drug resistance in osteosarcoma is independent of HIF-1Alpha *PLoS One* 2013-06-21 [PMID: 23785417] (Human)

Details:

Citation using the Non-Recombinant Monoclonal and Biotin format of this antibody.

Xie L, Collins J. Transcriptional regulation of the Menkes copper ATPase Atp7a) gene by hypoxia-inducible factor HIF2{alpha} in intestinal epithelial cells. *Am J Physiol Cell Physiol* 2011-01-01 [PMID: 21346155]

Details:

Using the HRP conjugated version of NB100-132, catalog number NB100-132H.





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Products Related to NB100-132H

NBL1-10286	HIF-2 alpha/EPAS1 Overexpression Lysate
NBP1-97074	Mouse IgG1 Isotype Control (MG1) [HRP]
NB100-132G	HIF-2 alpha/EPAS1 Antibody (ep190b) [DyLight 488]
H00002034-P03-2ug	Recombinant Human HIF-2 alpha/EPAS1 GST (N-Term) Protein

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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