

Catalog Number:	NB100-132SS
Background:	<p>Hypoxia contributes significantly to the pathophysiology of major categories of human disease, including myocardial and cerebral ischemia, cancer, pulmonary hypertension, congenital heart disease and chronic obstructive pulmonary disease.</p> <p>HIF-2 alpha is predominantly expressed in highly vascularized tissues of adult humans and endothelial cells of the embryonic and adult mouse, whereas HIF-1 alpha functions primarily in extravascular tissues. HIF-2 alpha is also a potent activator of the tie-2 gene, which is known to be selectively expressed in endothelial cells.</p>
Alternate Names:	anti-Endothelial pas domain protein 1 antibody, anti-Hif2a antibody, anti-Hypoxia inducible factor 2 alpha subunit antibody, anti-Member of pas superfamily 2 antibody, anti-MOP2 antibody, anti-EPAS1 antibody, anti-Hif-2a antibody, anti-Hif 2a antibody, anti-Hif 2 alpha antibody
Research Areas:	10,348,0
Immunogen:	Human HIF-2 alpha amino acids 535-631.
Clone:	ep190b
Isotype:	IgG1
Specificity:	This antibody is specific for HIF-2 alpha and does not cross-react with HIF-1 alpha.
Species Reactivity:	NB 100-132 reacts with human and rat HIF-2 alpha. Ability to use in mouse is mixed with some positive and some negative results. Other species have not been tested.
Uses:	Western Blot (recognizes a band at ~118 kDa representing HIF-2 alpha) * Other applications have not been tested.
Dilutions:	Suggested working dilutions * immunohistochemistry 1:150-1:300, Western Blot 1:1000, * Investigator should determine optimal working dilutions.
Packaging:	0.025 ml protein G purified Mouse ascites.
Concentration:	1.6 mg/ml
Buffer:	PBS
Preservative:	0.05% Na azide
Storage:	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Novus Specific References:	<ol style="list-style-type: none">1. Bernhardt, W. M., et al. (2007) Involvement of Hypoxia-Inducible Transcription Factors in Polycystic Kidney Disease, 170, 830-842.2. Grabmaier, K., et al. Strict regulation of CAIXG250/MN by HIF-1 alpha in clear cell renal cell carcinoma. <i>Oncogene</i>. 23: 5624-5631, 2004. 23: 4975-4983, 2004.3. Harvey, A.J., et al. Oxygen-Regulated Gene Expression in Bovine Blastocysts. <i>Biol.</i>

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General References:

These references discuss the use of this clone but not using this particular antibody production.

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Gene Id: 2034

Reference Sequence: Q99814

Image(s)