

<b>Catalog Number:</b>	NB100-122SS
<b>Background:</b>	<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-1alpha 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>
<b>Alternate Names:</b>	anti-Endothelial pas domain protein 1 antibody, anti-EPAS-1 antibody, anti-Hif2a antibody, anti-Hypoxia inducible factor 2 alpha subunit antibody, anti-Member of pas superfamily 2 antibody, anti-MOP2 antibody, anti-Hif-2a antibody, anti-Hif 2a antibody, anti-Hif 2 alpha antibody
<b>Research Areas:</b>	10,348,0
<b>Immunogen:</b>	A peptide derived from the C-terminus of mouse/human HIF-2 alpha peptide.
<b>Specificity:</b>	Specific for HIF-2 alpha/EPAS. Does not cross-react with HIF-1 alpha.
<b>Species Reactivity:</b>	Mouse, rat, fish and human HIF-2 alpha.
<b>Uses:</b>	<p>Used in Western blot, this antibody recognizes a band at 118kDa representing HIF-2 alpha. For more information on Immunohistochemistry, please visit the following website:</p> <p><a href="http://www.ihcworld.com/_protocols/antibody_protocols/hif-2a_novus_biologicals.htm">http://www.ihcworld.com/_protocols/antibody_protocols/hif-2a_novus_biologicals.htm</a></p> <p>Immunohistochemical Staining Protocol</p> <p>* Other applications have not been tested.</p>
<b>Dilutions:</b>	<p>Suggested working dilutions *</p> <p>immunohistochemistry 1:100, Western Blot 1:1000, Immunohistochemistry-Paraffin 1:100</p> <p>* Investigator should determine optimal working dilutions.</p>
<b>Positive Controls:</b>	NB800-PC26  NB810-55229
<b>Packaging:</b>	0.025 ml peptide affinity purified Rabbit antisera.
<b>Concentration:</b>	1.0 mg/ml
<b>Buffer:</b>	PBS
<b>Preservative:</b>	0.1% sodium azide
<b>Storage:</b>	Store at 4C. Do not freeze.
<b>Novus Specific References:</b>	1. Alvarez-Tejado, M., et al. Hypoxia Induces the Activation of the Phosphatidylinositol

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(flow cytometry, western blot, human)

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**Gene Id:** 13819

**Reference Sequence:** P97481

**Image(s)**