

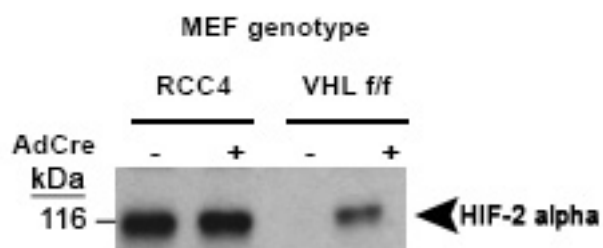
Rabbit Polyclonal anti-HIF-2 alpha, Sample Size

Catalog Number:	NB100-480SS
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-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>
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-BC 100-480 antibody, anti-Hif-2a antibody, anti-Hif 2a antibody, anti-Hif 2 alpha antibody
Host:	Rabbit
Research Areas:	Hypoxia Inducible Factors and Prolyl-Hydroxylases, Cancer Research
Immunogen:	A fusion protein from mouse HIF-2 alpha, residues 355-438.
Specificity:	This antibody is specific for HIF-2 alpha/EPAS1.
Localization:	Nuclear
Species Reactivity:	This antibody reacts with both human, monkey and mouse proteins.
Uses:	<p>A band is seen at ~116 kDa by Western blot. You may also see a higher MW band and others at ~100, ~105, and ~84 kDa, depending on your sample. Running the appropriate negative controls will help you assess the correct MW band. Hypoxic and normoxic HeLa lysates have been used as controls, giving lower background. No other applications have been tested.</p> <p>Investigator should determine optimal working conditions. * Other applications have not been tested.</p>
Dilutions:	<p>Suggested working dilutions *</p> <p>Western Blot 1:500-1:1,000</p> <p>* Investigator should determine optimal working dilutions.</p>
Packaging:	0.025 ml Rabbit antisera.
Concentration:	1.0 mg/ml
Preservative:	0.1% sodium azide
Storage:	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Limitations:	This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 6 months from date of receipt.
Novus Specific References:	Song, G., et al. Progesterone and Interferon Tau Regulate Hypoxia-inducible factors (HIFs) in the Endometrium of the Ovine Uterus. <i>Endocrinology</i> . Jan 2008;

10.1210/en.2007-1530.

Gene Id: 13819
Gene System: EPAS1
Reference Sequence: P97481

Image(s)



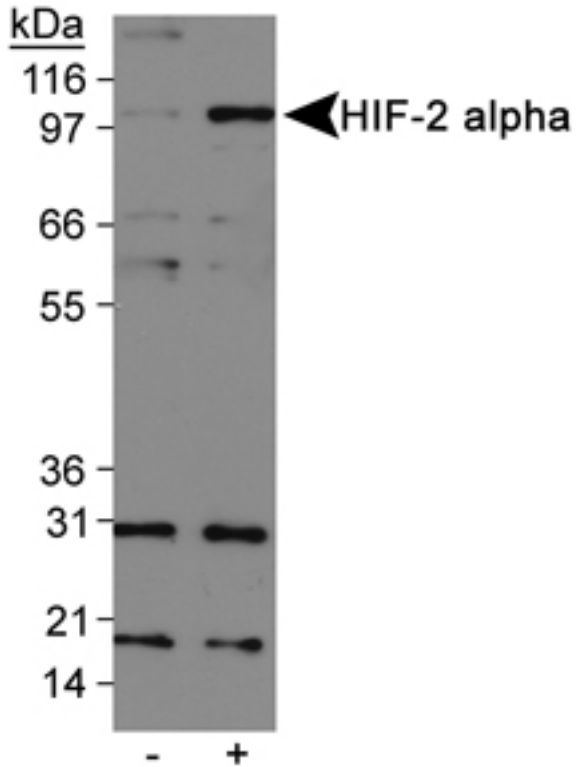
Western blot using NB 100-480.

Lane 1: RCC4 (VHL -/-)

Lane 2: RCC4 (VHL -/-), treated with AdCre

Lane 3: MEF (VHL +/+)

Lane 4: MEF (VHL +/+), treated with AdCre
 RCC4 = Human renal cell carcinoma cells AdCre = Adenovirus Cre, with inactivates VHL. VHL protein complex ubiquitinates and destroys HIF-2 alpha.



Detection of HIF-2 alpha in COS-7 cobalt chloride treated (positive control) and untreated (negative control) cells using NB100-480.