

<b>Catalog Number:</b>	NB100-133SS
<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-1, a nuclear protein activating gene transcription in response to reduced cellular O<sub>2</sub> concentration, activates the transcription of VEGF, EPO, iNOS, heme oxygenase 1 and other intracellular responses critical to hypoxia. HIF-1 is a heterodimer composed of HIF-1a and HIF-1b subunits. HIF-1a most closely resembles the Drosophila protein Sim. HIF-1b is a series of aryl hydrocarbon receptor nuclear translocator (ARNT) gene products.</p>
<b>Alternate Names:</b>	anti-ARNT antibody, anti-Aryl Hydrocarbon Receptor Nuclear Translocator antibody, anti-Dioxin Receptor antibody, anti-Hypoxia Inducible Factor 1 antibody, anti-Tango antibody, anti-HIF1 beta antibody, anti-HIF1beta antibody
<b>Research Areas:</b>	10,348,0
<b>Immunogen:</b>	Bacterial expressed murine ARNT (aa 318-790).
<b>Specificity:</b>	This antibody is specific for ARNT.
<b>Localization:</b>	Nuclear
<b>Species Reactivity:</b>	NB 100-133 recognizes mouse. Other species have not been tested.
<b>Uses:</b>	<p>In Western Blot, the antibody detects a band at ~92kD. Nuclear extracts are recommended.</p> <p>* Other applications have not been tested.</p>
<b>Dilutions:</b>	<p>Suggested working dilutions *</p> <p>Western Blot 1 ug/ml</p> <p>* Investigator should determine optimal working dilutions.</p>
<b>Packaging:</b>	0.025 ml Affinity purified Rabbit antisera.
<b>Concentration:</b>	0.2 mg/ml
<b>Storage:</b>	Store at 4C. Do not freeze.
<b>Gene Id:</b>	405