Product Datasheet

EGLN2/PHD1 Antibody
NB100-310SS

Unit Size: 0.025 ml
Store at 4C. Do not freeze.

Reviews: 2  Publications: 30

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-310

Updated 6/15/2014 v.20.1
**NB100-310SS**
**EGLN2/PHD1 Antibody**

### Product Information

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>0.025 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td>1 mg/ml</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store at 4°C. Do not freeze.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Preservative</strong></td>
<td>0.1% Sodium Azide</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Immunogen affinity purified</td>
</tr>
<tr>
<td><strong>Buffer</strong></td>
<td>Tris-citrate/phosphate, pH 7-8</td>
</tr>
<tr>
<td><strong>Target Molecular Weight</strong></td>
<td>48 kDa</td>
</tr>
</tbody>
</table>

### Product Description

**Host**
Rabbit

**Gene ID**
112398

**Gene Symbol**
EGLN2

**Species**
Human, Mouse, Rat

**Species Reactivity**
Human and mouse. Rat reactivity reported in scientific literature (PMID: 17003483)

**Immunogen**
The epitope maps to a region between residue 350 and the C-terminus (residue 407) of human PHD1/HIF Prolyl Hydroxylase 1 using the numbering given in entry NP_444274.1 (GeneID 112398).

### Product Application Details

**Applications**
Western Blot, Simple Western, Electron Microscopy, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation

**Recommended Dilutions**
Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry 1:50, Immunoprecipitation 1:50, Western Blot 1:500 -1:2500, Electron Microscopy, Immunohistochemistry-Paraffin, Simple Western 1:50

**Application Notes**
This PHD1/HIF Prolyl Hydroxylase 1 antibody is useful for Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Immunohistochemistry and Western Blot. In WB a band is seen at 45-50 kDa. In ICC/IF, cytoplasmic and nuclear staining was observed in HeLa cells. IP (PMID: 21282188). IHC (PMID 21877141). Use in Immunohistochemistry-Paraffin and Electron Microscopy reported in scientific literature (PMID 17003483)In Simple Western only 10-15 uL of the recommended dilution is used per data point.

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Western Blot: PHD1/HIF Prolyl Hydroxylase 1 Antibody [NB100-310] -
Western blot analysis of human PHD1, using NB100-310.

Immunocytochemistry/Immunofluorescence: HIF Prolyl Hydroxylase 1 Antibody [NB100-310] - PHD1 antibody was tested in HeLa cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).

Western Blot: HIF Prolyl Hydroxylase 1 Antibody [NB100-310] -
Recombinant epitope-tagged PHD1, PHD2 and PHD3 (10 ng/lane) or whole cell lysate from HeLa (human) or MEF (mouse) cells. Antibody: Affinity purified rabbit anti-PHD1 (Cat. No. NB100-310) used at 1 mcg/ml. Detection: Chemiluminescence.

Simple Western: EGLN2/PHD1 Antibody [NB100-310] - Simple Western lane view shows a specific band for PHD1/HIF Prolyl Hydroxylase 1 in 0.5 mg/ml of Hypoxic HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.
Publications


Details: EGLN2/PHD1 antibody used for WB in experiments involving human primary dermal microvascular lymphatic endothelial cells (LEC).

Botting KJ, McMillen IC, Forbes H, Nyengaard, JR. Chronic hypoxemia in late gestation decreases cardiomyocyte number but does not change expression of hypoxia-responsive genes. J Am Heart Assoc. 2014 Aug 02 [PMID: 25085511] (WB)

Haag D. Rolle der Siah-Ubiquitinligasen in der Entstehung der pulmonalen Hypertonie und daraus resultierenden rechtsventrikularen Hypertrophie. Einleitung. 2014 (WB, Mouse)


Rawluszko AA, Bujnicka KE, Horbacka K et al. Expression and DNA methylation levels of prolyl hydroxylases PHD1, PHD2, PHD3 and asparaginyl hydroxylase FIH in colorectal cancer. BMC Cancer. 2013 Nov 6 [PMID: 24195777] (WB, Human)


More publications at http://www.novusbio.com/NB100-310
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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.