

Product Datasheet

EGLN1/PHD2 Antibody **NB100-138SS**

Unit Size: 0.025 ml

Store at 4C. Do not freeze.

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NB100-138SS

EGLN1/PHD2 Antibody

Product Information	
Unit Size	0.025 ml
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Purity	Immunogen affinity purified
Buffer	Tris-citrate/phosphate, pH 7-8
Target Molecular Weight	46 kDa

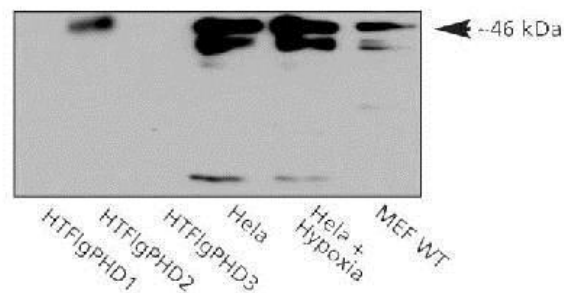
Product Description	
Host	Rabbit
Gene ID	54583
Gene Symbol	EGLN1
Species	Human, Rat, Mouse (Negative)
Species Reactivity	Human. Does not appear to work in mouse Rat reactivity reported in scientific literature (PMID: 17003483)
Immunogen	The epitope recognized by this antibody maps to a region between residues 1 and 50 of human PHD2/HIF Prolyl Hydroxylase 2 using the numbering given in entry NP_071334.1 (GeneID 54583).

Product Application Details	
Applications	Western Blot, Electron Microscopy, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Electron Microscopy, Flow Cytometry 1:10-1:1000, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Western Blot 1:500-1:2500
Application Notes	This PHD2/HIF Prolyl Hydroxylase 2 antibody is useful for Flow Cytometry and Western blot, where a band can be seen at 46-50 kDa. Immunoprecipitation and Immunohistochemistry were reported in scientific literature. Use in Immunocytochemistry/immunofluorescence, Immunohistochemistry-Paraffin and Electron Microscopy reported in scientific literature (PMID 17003483)

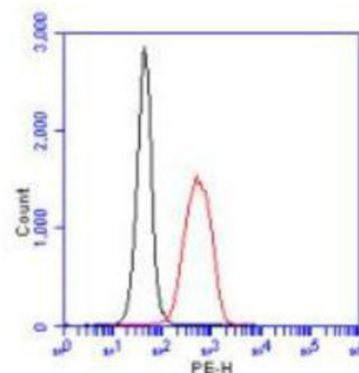


Images

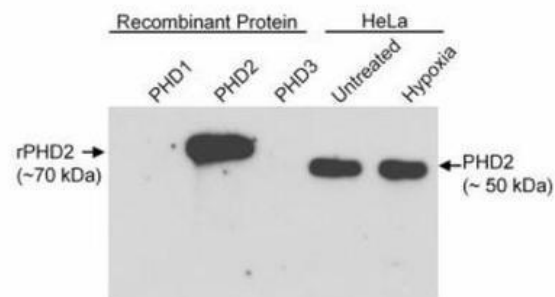
Western Blot: PHD2/HIF Prolyl Hydroxylase 2 Antibody [NB100-138] - Western blot analysis of human PHD2, using NB100-138. Samples: Recombinant FLAG-His-PHD1, PHD2 and PHD3 (10 ng/lane), HeLa whole cell lysate and MEFs.



Flow Cytometry: HIF Prolyl Hydroxylase 2 Antibody [NB100-138] - Flow cytometric detection of PHD2, 10^6 Jurkat cells were fixed, permeabilized, and stained with 3.0 ug/ml anti-PHD2 in a 150 ul reaction.



Western Blot: HIF Prolyl Hydroxylase 2 Antibody [NB100-138] - Detection of Human PHD2 by Western Blot. Samples: Recombinant epitope-tagged PHD1, PHD2 or PHD3 (10 ng/lane) or whole cell lysate from HeLa cells, stained with rabbit anti-PHD2 used at 1 ug/ml.



Publications

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Steinhoff A, Pientka FK, Mockel S et al. Cellular oxygen sensing: Importins and exportins are mediators of intracellular localisation of prolyl-4-hydroxylases PHD1 and PHD2. *Biochem Biophys Res Commun* 2009 Oct 2 [PMID: 19631610] (IP, Human)

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Baek JH, Mahon PC, Oh J et al. OS-9 interacts with hypoxia-inducible factor 1alpha and prolyl hydroxylases to promote oxygen-dependent degradation of HIF-1alpha. *Mol Cell*;17(4):503-12. 2005 Feb 18. [PMID: 15721254] (IP, Human)





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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.

