

Product Datasheet

PHD4/HIF Prolyl Hydroxylase 4 Antibody NB100-295SS

Unit Size: 0.025 ml

Store at 4C. Do not freeze.

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Publications: 3

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Updated 6/15/2014 v.20.1

NB100-295SS**PHD4/HIF Prolyl Hydroxylase 4 Antibody**

Product Information	
Unit Size	0.025 ml
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Purity	Immunogen affinity purified
Buffer	Tris-citrate/phosphate, pH 7-8
Target Molecular Weight	50 kDa

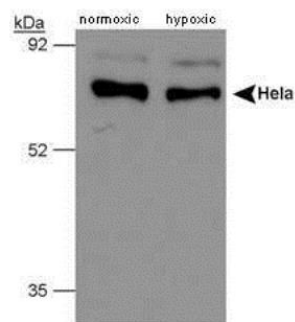
Product Description	
Host	Rabbit
Gene ID	54681
Gene Symbol	P4HTM
Species	Human, Rat, Mouse (Negative)
Species Reactivity	Human. Does not appear to work in Mouse. Rat reactivity reported in scientific literature (PMID: 17003483)
Immunogen	The epitope recognized by this antibody maps to a region between residue 450 and the C-terminus (residue 502) of human PHD4/HIF Prolyl Hydroxylase 4 using the numbering given in entry NP_808808.1 (GeneID 54681).

Product Application Details	
Applications	Western Blot, Electron Microscopy, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Electron Microscopy, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Western Blot 1:500-1:2500
Application Notes	This PHD4/HIF Prolyl Hydroxylase 4 antibody is useful for Western Blot where a band is seen at ~50 kDa. Use in Immunocytochemistry/immunofluorescence, Immunohistochemistry-Paraffin and Electron Microscopy reported in scientific literature (PMID 17003483)

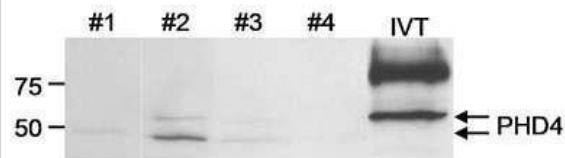


Images

Western Blot: PHD4/HIF Prolyl Hydroxylase 4 Antibody [NB100-295] - Western Blot analysis of human PHD4, using NB100-295. Samples: whole cell lysate from HeLa cells, normoxic and hypoxic, respectively.



Western Blot: HIF Prolyl Hydroxylase 4 Antibody [NB100-295] - Whole cell lysate (25 mcg/lane) from human glioblastoma tumor cell lines or in vitro translated PHD4. Antibody: Affinity purified rabbit anti-PHD4 (Cat. No. NB100-295) used at 2 mcg/ml. Detection: Chemiluminescence



Publications

Khan Z, Michalopoulos GK, Stolz DB. Peroxisomal localization of hypoxia-inducible factors and hypoxia-inducible factor regulatory hydroxylases in primary rat hepatocytes exposed to hypoxia-reoxygenation. *Am J Pathol.* 2006 Oct [PMID: 17003483] (WB, IHC-P, ICC/IF, EM, Rat)

Klotzsche-von Ameln A, Prade I et al. Prolyl hydroxylase-4 overexpression stimulates tumor angiogenesis in mouse osteosarcoma via transforming growth factor-alpha. *Mol Cancer Res.* 2013 Sep 18 [PMID: 24048703] (WB, Human)

Henze AT, Riedel J, Diem T et al. Prolyl hydroxylases 2 and 3 act in gliomas as protective negative feedback regulators of hypoxia-inducible factors. *Cancer Res*;70(1):357-66. 2010 Jan 1. [PMID: 20028863]



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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.

