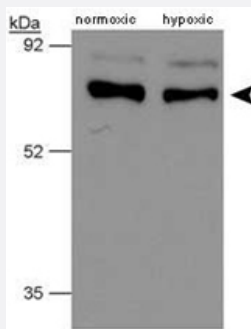


# P4HTM polyclonal antibody

Catalog # PAB12516      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of human PHD4 using P4HTM polyclonal antibody (Cat # PAB12516). Samples : whole cell lysate from HeLa cells, normoxic and hypoxic, respectively.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against partial recombinant P4HTM.
<b>Immunogen</b>	Recombinant protein corresponding to C-terminus of human P4HTM.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Specificity</b>	This antibody is specific to prolyl hydroxylase 4.
<b>Form</b>	Liquid
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein.
<b>Recommend Usage</b>	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Tris-citrate/phosphate buffer, pH 7.0-8.0 (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. Do not freeze.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of human PHD4 using P4HTM polyclonal antibody (Cat # PAB12516). Samples : whole cell lysate from HeLa cells, normoxic and hypoxic, respectively.

## Gene Info — P4HTM

Entrez GeneID [54681](#)

Protein Accession# [NP\\_808808.1](#)

Gene Name P4HTM

Gene Alias EGLN4, HIFPH4, P4H-TM, PH-4, PH4, PHD4

Gene Description prolyl 4-hydroxylase, transmembrane (endoplasmic reticulum)

Gene Ontology [Hyperlink](#)

**Gene Summary** The product of this gene belongs to the family of prolyl 4-hydroxylases. This protein is a prolyl hydroxylase that may be involved in the degradation of hypoxia-inducible transcription factors under normoxia. It plays a role in adaptation to hypoxia and may be related to cellular oxygen sensing. Alternatively spliced variants encoding different isoforms have been identified. [provided by RefSeq]

**Other Designations** OTTHUMP00000082685|P4H with transmembrane domain|Prolyl hydroxylase domain-containing 4|hypoxia inducible factor prolyl 4 hydroxylase|hypoxia-inducible factor prolyl 4-hydroxylase|proline 4-hydroxylase

## Publication Reference

- [Biochemical purification and pharmacological inhibition of a mammalian prolyl hydroxylase acting on hypoxia-inducible factor.](#)

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- [Oxygen sensors and angiogenesis.](#)

Maxwell PH, Ratcliffe PJ.

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- [A conserved family of prolyl-4-hydroxylases that modify HIF.](#)

Bruick RK, McKnight SL.

Science 2001 Oct; 294(5545):1337.