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**Product Name: HIF Prolyl Hydroxylases Rabbit Monoclonal Antibody****Catalog #: AMRe84748**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,FC,IP
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:2000,IHC 1:100-1:200,FC 1:20-1:100,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 57 kDa ; Observed MW: 47 kDa

**Antigen Information**

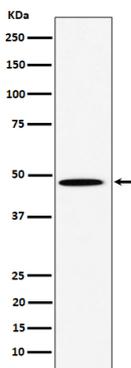
<b>Gene Name</b>	HIF Prolyl Hydroxylases EGLN4 ; HIFPH4; Hypoxia inducible factor prolyl 4 hydroxylase; P4H with transmembrane
<b>Alternative Names</b>	domain; P4htm; PH4; PHD4; Proline 4 hydroxylase; Prolyl hydroxylase domain containing 4;;HIF PH4
<b>Gene ID</b>	
<b>SwissProt ID</b>	Q9NXG6
<b>Immunogen</b>	A synthesized peptide derived from human HIF PH4

**Background**

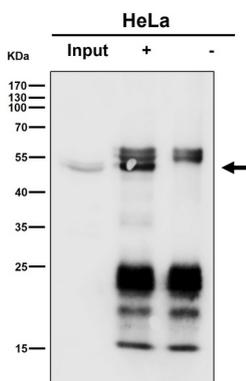
Catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF1A at 'Pro-402' and 'Pro-564'. May function as a cellular oxygen sensor and, under normoxic conditions, may target HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitination complex.

## Research Area

## Image Data



Western blot analysis of HIF Prolyl Hydroxylases expression in HeLa cell lysate.



Immunoprecipitate (IP) analysis using the Antibody at 1:50 dilution. (wb at 1:1K dilution)