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# PHD2/EGLN1 Rabbit pAb

货号: **AYP19962**

## 产品信息

反应	Human,Mouse,Rat,Monkey
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC IF/ICC
推荐浓度	<b>WB:</b> 1:500 - 1:2000 <b>IHC:</b> 1:50 - 1:100 <b>IF/ICC:</b> 1:50 - 1:200
理论分子量	36kDa/43kDa/46kDa
实测分子量	45kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	OVCAR8,COS-7,U2OS,SH-SY5Y,HeLa
细胞定位	Cytoplasm,Nucleus
纯化	Affinity purification

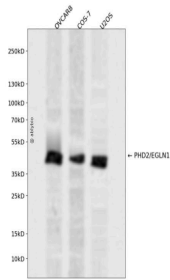
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-426 of human PHD2/EGLN1 (NP_071334.1).
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## 靶点信息

研究背景	The protein encoded by this gene catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. HIF is a transcriptional complex that plays a central role in mammalian oxygen homeostasis. This protein functions as a cellular oxygen sensor, and under normal oxygen concentration, modification by prolyl hydroxylation is a key regulatory event that targets HIF subunits for proteasomal destruction via the von Hippel-Lindau ubiquitylation complex. Mutations in this gene are associated with erythrocytosis familial type 3 (ECYT3).
基因ID	54583
基因名	EGLN1
Swiss	Q9GZT9 ( <a href="https://www.uniprot.org/uniprotkb/Q9GZT9/entry">https://www.uniprot.org/uniprotkb/Q9GZT9/entry</a> )
别名	EGLN1,C1orf12,ECYT3,HALAH,HIF-PH2,HIFPH2,HPH-2,HPH2,PHD2,SM20,ZMYND6,PHD2/EGLN1 Rabbit pAb,Hypoxia-inducible factor prolyl hydroxylase 2,Prolyl hydroxylase domain-containing protein 2,SM-20

## 产品验证



Western blot analysis of PHD2/EGLN1 expressed in OVCAR8,COS-7,U2OS using PHD2/EGLN1 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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