

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-PHD2/EGLN1



Numéro de catalogue: 20368-1-AP

2 Publications

## Informations de base

<b>Numéro de catalogue:</b> 20368-1-AP	<b>Numéro d'acquisition GenBank:</b> NML_022051	<b>Méthode de purification:</b> Purification par affinité contre l'antigène
<b>Taille:</b> 150ul, Concentration: 700 µg/ml by Nanodrop and 393 µg/ml by Bradford method using BSA as the standard;	<b>Identification du gène (NCBI):</b> 54583	<b>Dilutions recommandées:</b> WB 1:500-1:1000 IHC 1:100-1:400 IF 1:10-1:100
<b>Hôte:</b> Lapin	<b>Nom complet:</b> egl nine homolog 1 (C. elegans)	
<b>Isotype:</b> IgG	<b>MW calculé:</b> 46 kDa	
	<b>MW observés:</b> 46 kDa, 36 kDa	

## Applications

### Applications testées:

IF, IHC, WB, ELISA

### Demandes citées:

WB

### Spécificité de l'espèce:

Humain, souris

### Espèces citées:

Humain

### Contrôles positifs:

**WB:** cellules HEK-293, cellules HepG2, tissu pancréatique de souris

**IHC:** tissu pancréatique humain, tissu cardiaque humain

**IF:** cellules HepG2,

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

## Informations générales

EGLN1, also named as PHD2, SM-20, HPH-2 and HIF-PH2, catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. It hydroxylates HIF-1 alpha at 'Pro-402' and 'Pro-564', and HIF-2 alpha. EGLN1 functions as a cellular oxygen sensor and, under normoxic conditions, targets HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitination complex. Defects in EGLN1 are the cause of erythrocytosis familial type 3 (ECYT3). EGLN1 has 3 isoforms with MW of 46 kDa, 44 kDa and 36 kDa produced by alternative splicing. It mainly localizes in cytoplasm and can shuttle between the nucleus and cytoplasm (PubMed:19631610). The antibody is specific to EGLN1.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Dong Zhao	35169254	Oncogene	WB
Yu-Zhao Wang	36629160	Asian J Androl	WB

## Stockage

### Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

### Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

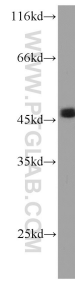
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

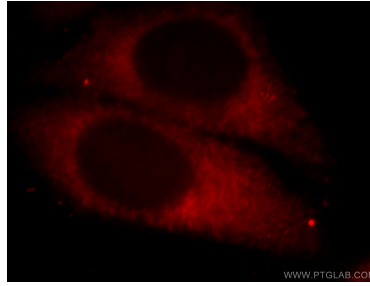
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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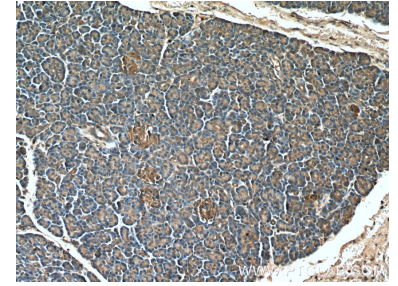
## Données de validation sélectionnées



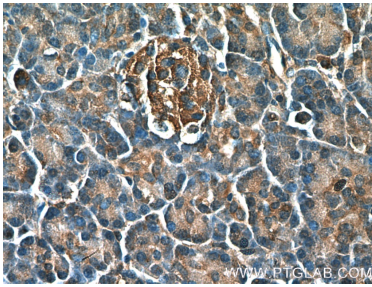
HEK-293 cells were subjected to SDS PAGE followed by western blot with 20368-1-AP (PHD2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using EGLN1 antibody 20368-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 20368-1-AP (PHD2 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 20368-1-AP (PHD2 antibody at dilution of 1:200 (under 40x lens).