

For Research Use Only

# PHD1 Polyclonal antibody, PBS Only

Catalog Number: 12984-1-PBS



## Basic Information

Catalog Number:

12984-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3616

GenBank Accession Number:

BC036051

GeneID (NCBI):

112398

UNIPROT ID:

Q96KSO

Full Name:

egl nine homolog 2 (C. elegans)

Calculated MW:

407 aa, 44 kDa

Observed MW:

48 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

## Background Information

EGLN2, also named as PHD1, EIT6 and HPH-3, 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. EGLN2 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. It may play a role in cell growth regulation.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

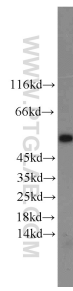
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 12984-1-AP (PHD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12984-1-PBS in a different storage buffer formulation.