

For Research Use Only

# PHD1 Polyclonal antibody, PBS Only

Catalog Number: 12984-1-PBS



## Basic Information

<b>Catalog Number:</b> 12984-1-PBS	<b>GenBank Accession Number:</b> BC036051	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 112398	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96KSO	
<b>Isotype:</b> IgG	<b>Full Name:</b> egl nine homolog 2 (C. elegans)	
<b>Immunogen Catalog Number:</b> AG3616	<b>Calculated MW:</b> 407 aa, 44 kDa	
	<b>Observed MW:</b> 48 kDa	

## 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

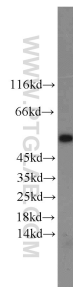
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

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  
W: ptglab.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.