

For Research Use Only

PHD1 Polyclonal antibody

Catalog Number: 12984-1-AP **7 Publications**



Basic Information

Catalog Number: 12984-1-AP	GenBank Accession Number: BC036051	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 112398	Recommended Dilutions: WB 1:500-1:1000 IF 1:10-1:100
Source: Rabbit	Full Name: egl nine homolog 2 (C. elegans)	
Isotype: IgG	Calculated MW: 407 aa, 44 kDa	
Immunogen Catalog Number: AG3616	Observed MW: 48 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : mouse testis tissue, HEK-293 cells, HeLa cells, human spleen tissue, mouse heart tissue, PC-3 cells IF : PC-3 cells,
Cited Applications: IF, WB	
Species Specificity: human, mouse	
Cited Species: human, rat, 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Suping Li	34687132	J Cell Mol Med	IF
Haixu Xu	35589690	Cell Death Dis	WB
Changhui Yu	35351157	Respir Res	WB

Storage

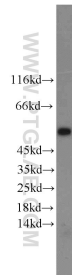
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

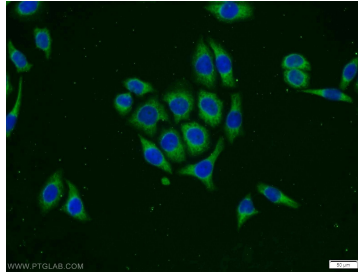
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.



Immunofluorescent analysis of PC-3 cells using 12984-1-AP (PHD1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).