

For Research Use Only

PHD1 Polyclonal antibody

Catalog Number: 12984-1-AP

11 Publications



Basic Information

Catalog Number:

12984-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3616

GenBank Accession Number:

BC036051

GeneID (NCBI):

112398

UNIPROT ID:

Q96K50

Full Name:

egl nine homolog 2 (C. elegans)

Calculated MW:

407 aa, 44 kDa

Observed MW:

48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB: mouse testis tissue, HEK-293 cells, HeLa cells, human spleen tissue, mouse heart tissue, PC-3 cells

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

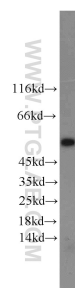
For technical support and original validation data for this product please contact:

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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.