

Product Name: PHD1 Rabbit Polyclonal Antibody
Catalog #: APRab00461



Summary

Production Name	PHD1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,ICC/IF,FC
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Immunogen

Gene Name	EGLN2
Alternative Names	Estrogen-induced tag 6; HPH-3; PHD1
Gene ID	112398
SwissProt ID	Q96KS0.

Application

Dilution Ratio	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200 FC: 1:50-1:100
Molecular Weight	Calculated MW: 44 kDa; Observed MW: 44 kDa

Background

Cellular oxygen sensor that catalyzes, under normoxic conditions, the post-translational formation of 4-hydroxyproline in

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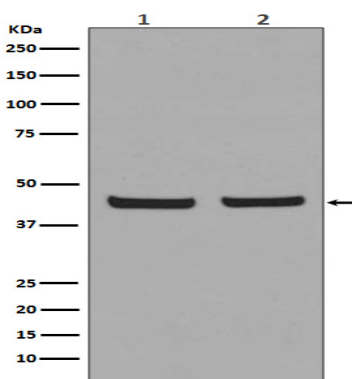


hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates a specific proline found in each of the oxygen-dependent degradation (ODD) domains (N-terminal, NODD, and C-terminal, CODD) of HIF1A. Also hydroxylates HIF2A. Has a preference for the CODD site for both HIF1A and HIF2A. Hydroxylated HIFs are then targeted for proteasomal degradation via the von Hippel-Lindau ubiquitination complex.

Research Area

Cardiovascular

Image Data



Western blot analysis of PHD1 in (1) HeLa lysates; (2) A549 lysates using PHD1 antibody.

Note

For research use only.