

Product Name: PHD1 Rabbit Monoclonal Antibody
Catalog #: AMRe03270



Summary

Production Name	PHD1 Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

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
Molecular Weight	Calculated MW: 44 kDa; Observed MW: 44 kDa

Background

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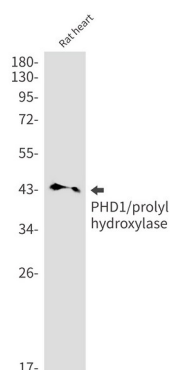


Cellular oxygen sensor that catalyzes, under normoxic conditions, the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates a specific proline found in each of the oxygen-dependent degradation (ODD) domains (N-terminal, NODD, and C-terminal, CODD) 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.

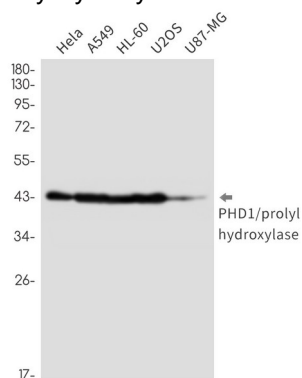
Research Area

Cardiovascular

Image Data



Western blot analysis of PHD1/prolyl hydroxylase in rat heart lysates using PHD1 antibody.



Western blot analysis of PHD1/prolyl hydroxylase in Hela, A549, HL-60, U2OS, U87-MG lysates using PHD1/prolyl hydroxylase antibody.

Note

For research use only.