

(KO Validated) PHD2/EGLN1 Polyclonal Antibody

Catalog Number:E-AB-90883



Note: Centrifuge before opening to ensure complete recovery of vial contents.

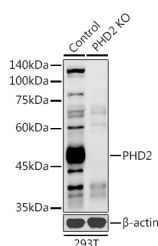
Description

Reactivity	Human,Mouse,Rat
Immunogen	A synthetic peptide of human PHD2/EGLN1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% proclin300,50% glycerol,pH7.3.

Applications Recommended Dilution

WB	1:500-1:2000
IHC	1:50-1:200
IF	1:50-1:200

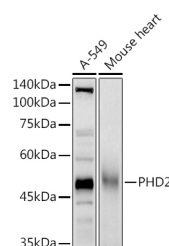
Data



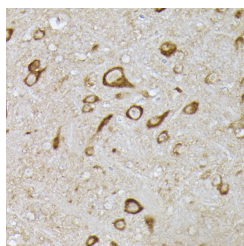
Western blot analysis of extracts from normal (control) and PHD2/EGLN1 knockout (KO) 293T cells, using PHD2/EGLN1 Polyclonal Antibody at 1:1000 dilution.

Observed Mw:50KDa

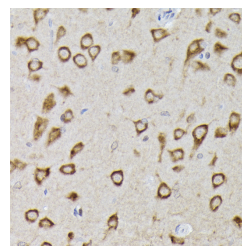
Calculated Mw:36kDa/43kDa/46kDa



Western blot analysis of extracts of various cell lines using PHD2/EGLN1 Polyclonal Antibody at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded mouse brain using [KO Validated] PHD2/EGLN1 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded rat brain using [KO Validated] PHD2/EGLN1 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

For Research Use Only

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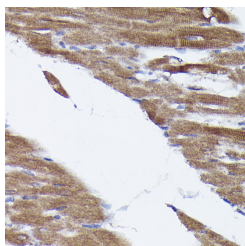
Tel: 1-832-243-6086

Email: techsupport@elabscience.com

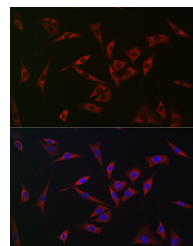
Fax: 1-832-243-6017

(KO Validated) PHD2/EGLN1 Polyclonal Antibody

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Immunohistochemistry of paraffin-embedded rat heart using [KO Validated] PHD2/EGLN1 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] PHD2/EGLN1 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear st

Preparation & Storage

Storage Store at -20°C. Avoid freeze/thaw cycles.

Background

The protein encoded by this gene catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. HIF is a transcriptional complex that plays a central role in mammalian oxygen homeostasis. This protein functions as a cellular oxygen sensor, and under normal oxygen concentration, modification by prolyl hydroxylation is a key regulatory event that targets HIF subunits for proteasomal destruction via the von Hippel-Lindau ubiquitylation complex. Mutations in this gene are associated with erythrocytosis familial type 3 (ECYT3).

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