

[KO Validated] PHD2/EGLN1 Rabbit mAb

Catalog No.: A21252 **KO Validated** **Recombinant**

Basic Information

Observed MW

50kDa

Calculated MW

46kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human

CloneNo number

ARC52542

Conjugate

Unmodified

Recommended Dilutions

WB 1:2000 - 1:20000

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).

Immunogen Information

Gene ID

54583

Swiss Prot

Q9GZT9

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PHD2/EGLN1 (NP_071334.1).

Synonyms

HPH2; PHD2; SM20; ECYT3; HALAH; HPH-2; HIFPH2; ZMYND6; C1orf12; HIF-PH2; N1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

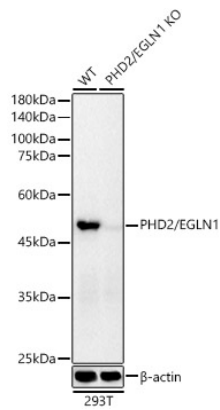
Affinity purification

Storage

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

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts from normal (control) and PHD2/EGLN1 knockout (KO) 293T(KO) cells, using PHD2/EGLN1 antibody (A21252) at 1:20000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 8s.