

[KO Validated] PHD2 Rabbit Polyclonal Antibody



CAB14557

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

46kDa

Calculated MW:

36kDa/43kDa/46kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

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

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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

Uniprot

Q9GZT9

Synonyms:

EGLN1; C1orf12; ECYT3; HALAH; HIF-PH2; HIFPH2; HPH-2; HPH2;
PHD2; SM20; ZMYND6

Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-426 of human PHD2 (NP_071334.1).

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images

