

Prolyl hydroxylase PHD1 (EGLN2) Rabbit pAb

Catalog No.: A2252

Basic Information

Observed MW

43kDa

Calculated MW

44kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

The hypoxia inducible factor (HIF) is a transcriptional complex that is involved in oxygen homeostasis. At normal oxygen levels, the alpha subunit of HIF is targeted for degradation by prolyl hydroxylation. This gene encodes an enzyme responsible for this post-translational modification. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the upstream RAB4B (RAB4B, member RAS oncogene family) gene.

Recommended Dilutions

WB 1:500 - 1:2000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Contact

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Immunogen Information

Gene ID

112398

Swiss Prot

Q96KSO

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 200-300 of human Prolyl hydroxylase PHD1 (EGLN2)(NP_444274.1).

Synonyms

EIT6; PHD1; EIT-6; HPH-1; HPH-3; HIFPH1; HIF-PH1; Prolyl hydroxylase PHD1 (EGLN2)

Product Information

Source

Rabbit

Isotype

IgG

Purification

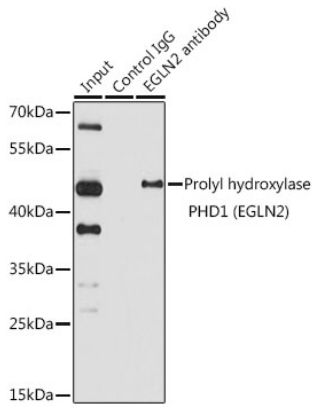
Affinity purification

Storage

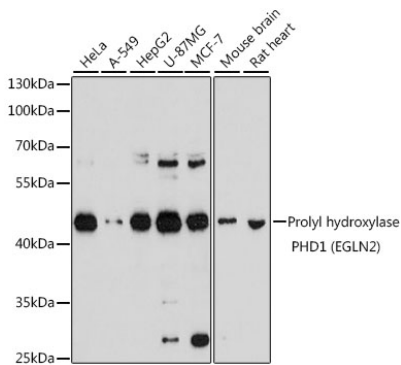
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Immunoprecipitation analysis of 150 μ g extracts of HeLa cells using 3 μ g Prolyl hydroxylase PHD1 (Prolyl hydroxylase PHD1 (EGLN2)) antibody (A2252). Western blot was performed from the immunoprecipitate using Prolyl hydroxylase PHD1 (Prolyl hydroxylase PHD1 (EGLN2)) antibody (A2252) at a dilution of 1:1000.



Western blot analysis of various lysates using Prolyl hydroxylase PHD1 (EGLN2) Rabbit pAb (A2252) at 1:1000 dilution.

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

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.