

# 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

Q96KS0

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

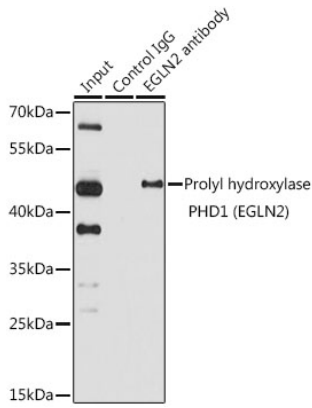
Affinity purification

### Storage

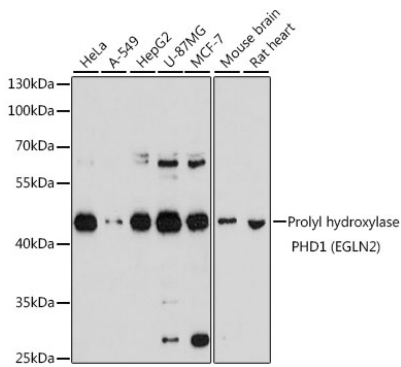
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Immunoprecipitation analysis of 150  $\mu$ g extracts of HeLa cells using 3  $\mu$ 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 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.