

Recombinant

DGRmAb®

**PHD1 (DGR15848) Rabbit mAb (PBS Only)**

db11394-PBS

Package : 100µg

**Product Name** : PHD1 (DGR15848) Rabbit mAb (PBS Only)**Cat.No.:** db11394-PBS**Synonyms** : EIT6; PHD1; HPH-1; HPH-3; HIFPH1; HIF-PH1**Application** : WB, IHC-P, ICC/IF, FC**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**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. [provided by RefSeq, Feb 2011]

**Immunogen**

A synthetic peptide of human PHD1

**Gene ID**

112398, 112406, 308457

**Swiss Prot**

Q96KS0, Q91YE2, Q6AYU4

**Synonyms**

EIT6; PHD1; HPH-1; HPH-3; HIFPH1; HIF-PH1

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF, FC

**Calculated MW**

44 kDa

**Observed MW**

44 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR15848

**Isotype**

IgG

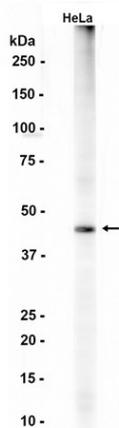
**Purity**

Affinity Purification

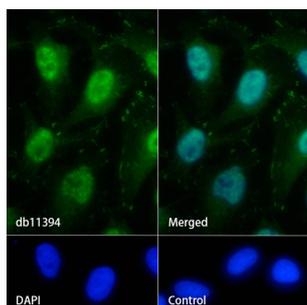
**Conjugation**

Un-conjugated

<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HeLa cells using db11394 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling PHD1 with db11394.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11394 (1:100) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.