

Recombinant

DGRmAb®

PHD1 (DGR15848) Rabbit mAb

db11394

Package : 10µL 20µL 50µL 100µL

Product Name : PHD1 (DGR15848) Rabbit mAb**Cat.No.:** db11394**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

Recommended dilution

WB: 1:1000-1:5000

IHC-P: 1:100-1:200

ICC/IF: 1:100-1:200

FC: 1:10-1:100

Calculated MW

44 kDa

Observed MW

44 kDa

Host species

Rabbit

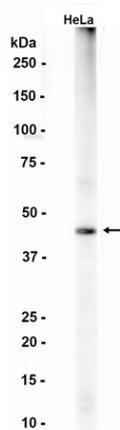
Clonality

Monoclonal

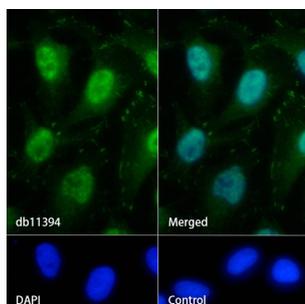
Clonality No.

DGR15848

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. 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.