

## PHD1/prolyl hydroxylase Rabbit mAb

Catalog No: #58570

Package Size: #58570-1 50ul #58570-2 100ul

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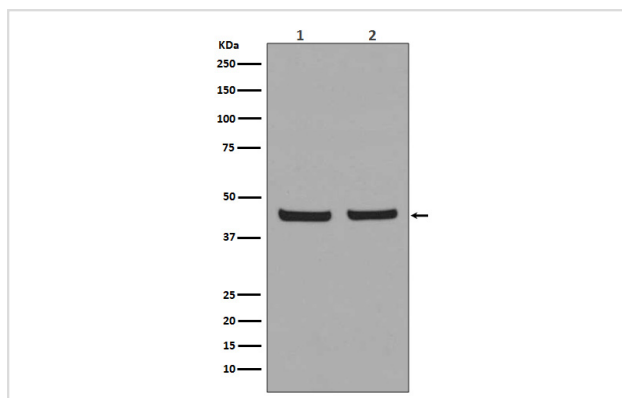
## Description

Product Name	PHD1/prolyl hydroxylase Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF FC
Species Reactivity	Human Mouse Rat
Specificity	PHD1/prolyl hydroxylase Antibody detects endogenous levels of total PHD1/prolyl hydroxylase
Immunogen Description	A synthesized peptide derived from human PHD1/prolyl hydroxylase
Other Names	Estrogen-induced tag 6; HPH-3;
Accession No.	Uniprot:Q96KS0
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Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Application Details

WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:50

## Images



Western blot analysis of PHD1 in (1) HeLa cell lysate; (2) A549 cell lysate.

## Product Description

Cellular oxygen sensor that catalyzes, under normoxic conditions, the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates a specific proline found in each of the oxygen-dependent degradation (ODD) domains (N-terminal, NODD, and C-terminal, CODD) of HIF1A. Also hydroxylates HIF2A. Has a preference for the CODD site for both HIF1A and HIF2A. Hydroxylated HIFs are then targeted for proteasomal degradation via the von Hippel-Lindau ubiquitination complex.

## Background

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Note: This product is for in vitro research use only