

## PHD2 / prolyl hydroxylase Rabbit mAb

Catalog No: #56226

Package Size: #56226-1 50ul #56226-2 100ul

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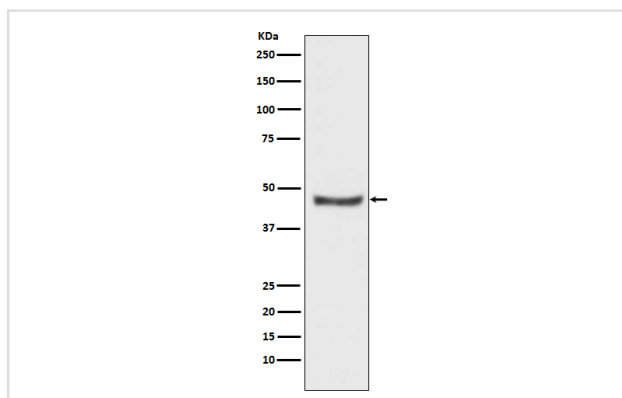
## Description

Product Name	PHD2 / prolyl hydroxylase Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IP
Species Reactivity	Human
Specificity	PHD2 / prolyl hydroxylase Antibody detects endogenous levels of total PHD2 / prolyl hydroxylase
Immunogen Description	A synthesized peptide derived from human PHD2 / prolyl hydroxylase
Other Names	EGLN1; C1orf12; ECTY3; HIFPH2; HPH2; PHD2; SM-20; SM20; ZMYND6;
Accession No.	Uniprot:Q9GZT9
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Calculated MW	46kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4Λ C short term. Store at -20Λ C long term. Avoid freeze / thaw cycle.

## Application Details

WB:1:500~1:2000IP:1:50

## Images



Western blot analysis of PHD2 / prolyl hydroxylase expression in SH-SY5Y cell lysate.

## Product Description

Catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF-1 alpha at 'Pro-402' and 'Pro-564', and HIF-2 alpha. Functions as a cellular oxygen sensor and, under normoxic conditions, targets HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitination complex.

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Note: This product is for in vitro research use only