

## PHD3 Rabbit mAb

Catalog No: #56958

Package Size: #56958-1 50ul #56958-2 100ul

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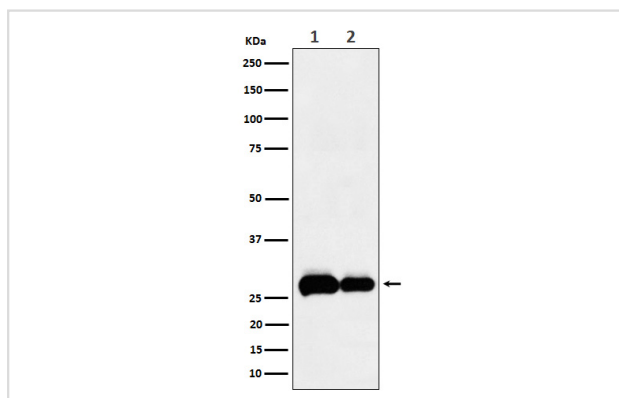
## Description

Product Name	PHD3 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB ICC/IF IP
Species Reactivity	Human Mouse Rat
Specificity	PHD3 Antibody detects endogenous levels of total PHD3
Immunogen Description	A synthesized peptide derived from human PHD3
Other Names	Egl nine homolog 3; EGLN3; Factor responsive smooth muscle protein; HIF Prolyl Hydroxylase 3; HIFP4H3; HIFPH3; P4H3; PHD3; SM20;
Accession No.	Uniprot:Q9H6Z9
Calculated MW	27kDa
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 ICC/IF: 1:50~1:200 IP: 1:50

## Images



Western blot analysis of PHD3 expression in (1) A549 cell lysate; (2) NIH/3T3 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-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 and is not intended for use in humans or animals.