

## PHD1 monoclonal antibody

Catalog: MB12321

Host: Rabbit

Reactivity: Human, Rat

### BackGround:

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.

### Product:

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

### Molecular Weight:

Calculated MW: 44 kDa; Observed MW: 44 kDa

### Swiss-Prot:

Q96KS0

### Purification&Purity:

Affinity Purified

### Applications:

WB: 1/500-1/1000

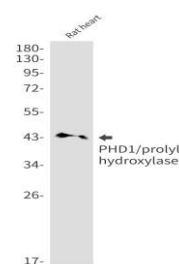
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Isotype:

IgG

### DATA:



Western blot analysis of PHD1/prolyl hydroxylase in rat heart lysates using PHD1 antibody.

Western blot analysis of PHD1/prolyl hydroxylase in HeLa, A549, HL-60, U2OS, U87-MG lysates using PHD1/prolyl hydroxylase antibody.

### Note:

For research use only, not for use in diagnostic procedure.

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