

Product Datasheet

PHD2 / prolyl hydroxylase Antibody

Catalog No: CY7001

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IP



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Information

UniProt ID: Q9GZT9

All Names: EGLN1; C1orf12; ECT3; HIFPH2; HPH2; PHD2; SM-20; SM20; ZMYND6;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 46kDa

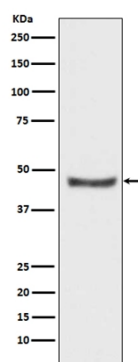
Application

WB 1:500~1:2000

IP 1:50

Background

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.



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

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