

PHD1/prolyl hydroxylase Antibody

Rabbit mAb

Catalog # AP90138

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	Q96KS0
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Estrogen-induced tag 6; HPH-3;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	44 KDa

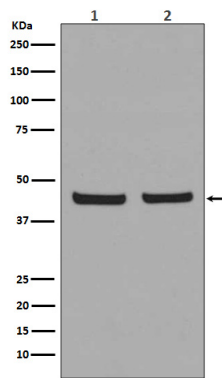
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PHD1/prolyl hydroxylase
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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Images

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



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