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HIF Prolyl Hydroxylases Antibody

Rabbit mAb
Catalog # AP92826

Product Information

Application	WB, IHC, FC, IP
Primary Accession	Q9NXG6
Reactivity	Human
Clonality	Monoclonal
Other Names	EGLN4 ; HIFPH4; Hypoxia inducible factor prolyl 4 hydroxylase; P4H with transmembrane domain; P4htm; PH4; PHD4; Proline 4 hydroxylase; Prolyl hydroxlase domain containing 4;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	56661

Additional Information

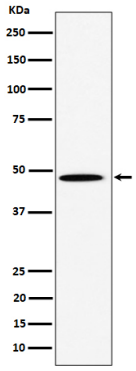
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human HIF Prolyl Hydroxylases
Description	Catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF1A at 'Pro-402' and 'Pro-564'. May function as a cellular oxygen sensor and, under normoxic conditions, may target HIF through the hydroxylation 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

Name	P4HTM
Synonyms	PH4
Function	Catalyzes the post-translational formation of 4- hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF1A at 'Pro-402' and 'Pro-564'. May function as a cellular oxygen sensor and, under normoxic conditions, may target HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitination complex.
Cellular Location	Endoplasmic reticulum membrane; Single-pass type II membrane protein
Tissue Location	Widely expressed with highest levels in adult pancreas, heart, skeletal muscle, brain, placenta, kidney and adrenal gland. Expressed at lower levels in

epiphyseal cartilage and in fibroblasts.

Images



Western blot analysis of HIF Prolyl Hydroxylases expression in HeLa cell lysate.