

# HIF Prolyl Hydroxylases Rabbit mAb

Catalog # AP76526

## Product Information

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<b>Application</b>	WB, IHC-P, IP
<b>Primary Accession</b>	<a href="#">Q9NXG6</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Calculated MW</b>	56661

## Additional Information

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<b>Gene ID</b>	54681
<b>Other Names</b>	P4HTM
<b>Dilution</b>	WB~~1/500-1/1000 IHC-P~~N/A IP~~N/A
<b>Format</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

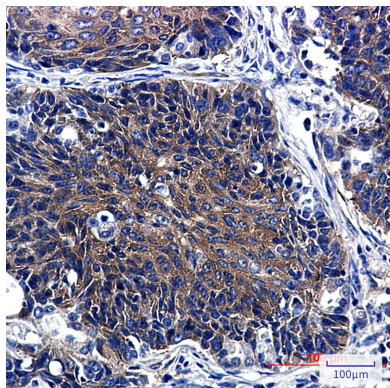
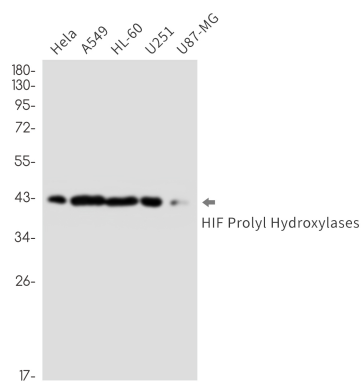
## Protein Information

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<b>Name</b>	P4HTM
<b>Synonyms</b>	PH4
<b>Function</b>	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.
<b>Cellular Location</b>	Endoplasmic reticulum membrane; Single-pass type II membrane protein
<b>Tissue Location</b>	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

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