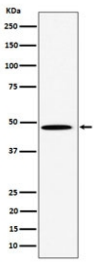
P4HTM Antibody / HIF Prolyl Hydroxylases / HIFPH4 [clone 28P22] (RQ8306)

Catalog No.	Formulation	Size
RQ8306	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	28P22
Purity	Affinity chromatography
UniProt	Q9NXG6
Applications	Western blot: 1:500-1:2000
Limitations	This P4HTM antibody is available for research use only.



Western blot testing of human HeLa cell lysate with P4HTM antibody. Predicted molecular weight: 47-63 kDa (three isoforms).

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. [UniProt]

Application Notes

Optimal dilution of the P4HTM antibody should be determined by the researcher.

Immunogen

A synthetic peptide derived from human HIF Prolyl Hydroxylases was used as the immunogen for the P4HTM antibody.

Storage

Store the P4HTM antibody at -20oC.

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