

HIF-PH3 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251184

Unit: 0.1 mg

Description:

HIF-prolyl hydroxylase 3 (HIF-PH3) catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. HIF-PH3 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. HIF-PH3 plays a role in cell growth regulation in muscle cells and in apoptosis in neuronal tissue. HIF-PH3 promotes cell death through a caspase-dependent mechanism.

Isotype: Rabbit Ig

Applications: E, IHC, IP, WB

Species Reactivity: B, D, H, M, P, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Prolylhydroxylase; Egl nine homolog 3; Hypoxia-inducible factor prolyl hydroxylase 3; HIF-prolyl hydroxylase 3; HIF-PH3; HPH-1; Prolyl hydroxylase domain-containing protein 3; PHD3; EGLN3

Accession No.: Q9H6Z9

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human HIF-PH3.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500; IP: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.