

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

PHD1 RABBIT PAB

Cat.#: N225560

Product Name: Anti-PHD1 Rabbit pAb

Synonyms: Estrogen-induced tag 6; HPH-3; PHD1

UNIPROTID: Q96KS0

Background: 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.

Immunogen: A synthesized peptide derived from human PHD1/prolyl

hydroxylase

Applications: WB,IHC-P,ICC/IF,FC

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 FC:

1/50-1/100

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Clone ID: -

MW: Calculated MW: 44 kDa; Observed MW: 44 kDa

Isotype: IgG

Purification: Affinity Chromatography **Species Reactivity:** Human, Mouse, Rat

Conjugation: Unconjugated **Modification:** Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

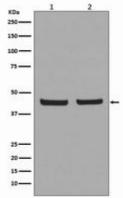
Research Areas: Cardiovascular

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Product Description

Pioneering GTPase and Oncogene Product Development since 2010



Western blot analysis of PHD1 in (1) HeLa lysates; (2) A549 lysates using PHD1 antibody.