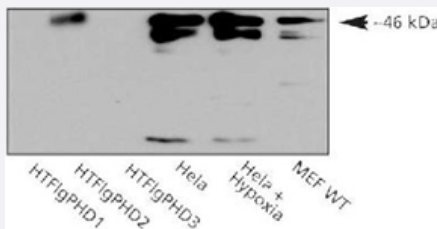


EGLN1 polyclonal antibody

Catalog # PAB12440 Size 100 uL

Applications



Western Blot

Western blot analysis of EGLN1 using EGLN1 polyclonal antibody (Cat # PAB12440). Samples : Recombinant FLAG-His-EGLN2, EGLN1 and EGLN3 (10 ng/lane), HeLa whole cell lysate and MEF.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of EGLN1.
Immunogen	A synthetic peptide corresponding to amino acids 350-426 of human EGLN1.
Host	Rabbit
Reactivity	Human
Specificity	This antibody is specific to human HIF prolyl hydroxylase 2. There is 83% homology between the immunogen used for this antibody and the rat and mouse proteins.
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-citrate/phosphate buffer, pH 7.0-8.0 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of EGLN1 using EGLN1 polyclonal antibody (Cat # PAB12440). Samples : Recombinant FLAG-His-EGLN2, EGLN1 and EGLN3 (10 ng/lane), HeLa whole cell lysate and MEF.

- Immunohistochemistry

- Immunoprecipitation

Gene Info — EGLN1

Entrez GeneID [54583](#)

Protein Accession# [Q9GZT9](#)

Gene Name EGLN1

Gene Alias C1orf12, DKFZp761F179, ECYT3, HIFPH2, HPH2, PHD2, SM-20, SM20, ZMYND6

Gene Description egl nine homolog 1 (C. elegans)

Omim ID [606425 609820](#)

Gene Ontology [Hyperlink](#)

Other Designations HIF prolyl hydroxylase 2|egl nine homolog 1|egl nine-like protein 1

Publication Reference

- [mAKAP compartmentalizes oxygen-dependent control of HIF-1alpha.](#)

Wong W, Goehring AS, Kapiloff MS, Langeberg LK, Scott JD.

Science Signaling 2008 Dec; 1(51):ra18.

Application: WB, Human, HEK 293 cells

- [The new tumor-suppressor gene inhibitor of growth family member 4 \(ING4\) regulates the production of proangiogenic molecules by myeloma cells and suppresses hypoxia-inducible factor-1 alpha \(HIF-1alpha\) activity: involvement in myeloma-induced angiogenesis.](#)

Colla S, Tagliaferri S, Morandi F, Lunghi P, Donofrio G, Martorana D, Mancini C, Lazzaretti M, Mazzera L, Ravanetti L, Bonomini S, Ferrari L, Miranda C, Ladetto M, Neri TM, Neri A, Greco A, Mangoni M, Bonati A, Rizzoli V, Giuliani N.

Blood 2007 Dec; 110(13):4464.

Application: WB-Tr, Human, JJN3 cells

- [Dynamic HIF1A regulation during human placental development.](#)

Ietta F, Wu Y, Winter J, Xu J, Wang J, Post M, Caniggia I.

Biology of Reproduction 2006 Jul; 75(1):112.

Application: WB-Ti, Human, Human placentae

- [OS-9 interacts with hypoxia-inducible factor 1alpha and prolyl hydroxylases to promote oxygen-dependent degradation of HIF-1alpha.](#)

Baek JH, Mahon PC, Oh J, Kelly B, Krishnamachary B, Pearson M, Chan DA, Giaccia AJ, Semenza GL.

Molecular Cell 2005 Feb; 17(4):503.

Application: IP, WB-Tr, Human, HEK 293 cells

Pathway

- [Pathways in cancer](#)
- [Renal cell carcinoma](#)

Disease

- [Altitude Sickness](#)
- [Pulmonary Edema](#)