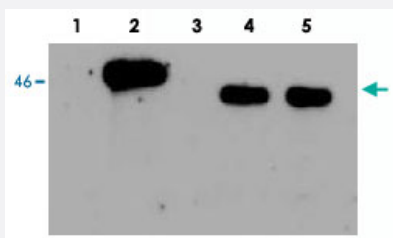


EGLN1 polyclonal antibody

Catalog # PAB14555 Size 100 ug

Applications



Western Blot

Western Blot analysis of human EGLN1, using EGLN1 polyclonal antibody (Cat # PAB14555).

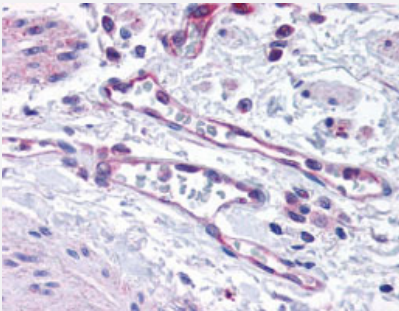
Lane 1 : Recombinant FLAG-His-PHD1 (10ng/lane).

Lane 2 : PHD2 (10ng/lane) .

Lane 3 : PHD3 (10ng/lane).

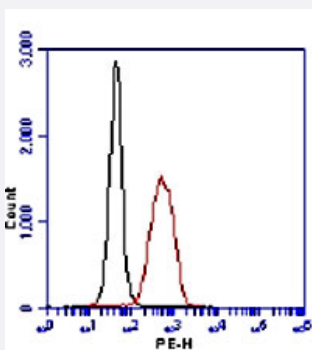
Lane 4 : Whole cell lysate from HeLa cells.

Lane 5 : HeLa with hypoxia treatment.



Immunohistochemistry

Staining of Vascular Endothelium 40X in human lung using EGLN1 polyclonal antibody (Cat # PAB14555).



Flow Cytometry

Flow cytometric detection of EGLN1. 10⁶ Jurkat cells were fixed, permeabilized, and stained with 3.0 ug/mL EGLN1 polyclonal antibody (Cat # PAB14555) in a 150 uL reaction.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of EGLN1.

Immunogen	A synthetic peptide corresponding to amino acids 1-50 of human EGLN1.
Host	Rabbit
Reactivity	Human
Specificity	This antibody is specific to human HIF prolyl hydroxylase 2.
Form	Liquid
Recommend Usage	Flow Cytometry (3 mg/mL) Western Blot (1:500-1:2500) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-citrate/phosphate buffer, pH 7-8 (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 human EGLN1, using EGLN1 polyclonal antibody (Cat # PAB14555).

Lane 1 : Recombinant FLAG-His-PHD1 (10ng/lane).

Lane 2 : PHD2 (10ng/lane) .

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Gene Info — EGLN1

Entrez GeneID [54583](#)

Protein Accession# [NP_071334.1](#)

Gene Name EGLN1

Gene Alias	C1orf12, DKFZp761F179, ECTY3, 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

- [Concordant regulation of gene expression by hypoxia and 2-oxoglutarate-dependent dioxygenase inhibition: the role of HIF-1alpha, HIF-2alpha, and other pathways.](#)

Elvidge GP, Glenny L, Appelhoff RJ, Ratcliffe PJ, Ragoussis J, Gleadle JM.

The Journal of Biological Chemistry 2006 Jun; 281(22):15215.

Application: WB-Tr, Human, MCF-7 cells

- [Overexpression and nuclear translocation of hypoxia-inducible factor prolyl hydroxylase PHD2 in head and neck squamous cell carcinoma is associated with tumor aggressiveness.](#)

Jokilehto T, Rantanen K, Luukkaa M, Heikkinen P, Grenman R, Minn H, Kronqvist P, Jaakkola PM.

Clinical Cancer Research 2006 Feb; 12(4):1080.

Application: IF, IHC, WB-Ce, WB-Tr, Human, Head, neck squamous cell carcinoma, HeLa, Fibroblasts, HUVEC, HaCaT, UT-SCC8, UT-SCC9 cells

- [Activation of hypoxia-inducible factors in hyperoxia through prolyl 4-hydroxylase blockade in cells and explants of primate lung.](#)

Asikainen TM, Schneider BK, Waleh NS, Clyman RI, Ho WB, Flippin LA, Gunzler V, White CW.

PNAS 2005 Jul; 102(29):10212.

Application: WB, Human, HLMVE-A cells

Pathway

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

Disease

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