

EGLN1 Polyclonal Antibody

ALTERNATE NAMES: EGLN1, DKFZp 61F179, EGYT3, HIFPH2, HPH2, PHD2, SM-20, SM20, ZMYND6.

CATALOG #: 6151-100

AMOUNT: 100 µg

HOST: Rabbit

ISOTYPE: IgG

IMMUNOGEN: Recombinant protein of human EGLN1

PURIFICATION: Affinity purified

MOLECULAR WEIGHT: 46 kDa

FORM: Liquid

FORMULATION: 100 µg of antibody in 100 µl PBS containing 0.02% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Human, Mouse, Rat

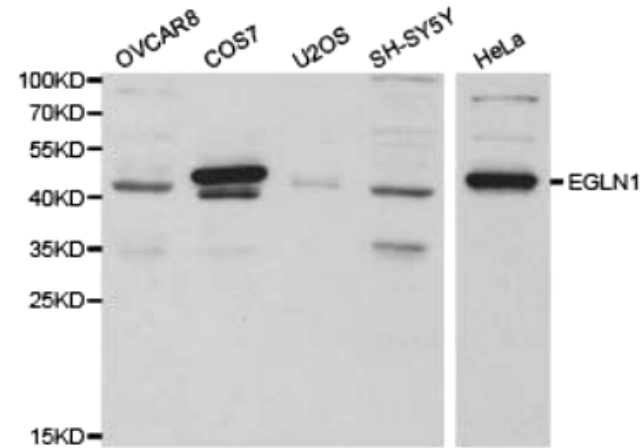
STORAGE CONDITIONS: Can be stored at -20°C or -80°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION: PHD1 (EglN2), PHD-2 (EglN1), and PHD3 (EglN3) are members of the EglN family of proline hydroxylases. They function as oxygen sensors that catalyze the hydroxylation of HIF on prolines 564 and 402, initiating the first step of HIF degradation through the VHL/ubiquitin pathway. PHD1 is highly expressed in a wide array of tissues whereas PHD2 and PHD3 are expressed mainly in heart and skeletal muscle. The mRNA levels of PHD are upregulated by HIF through the hypoxia response element under low oxygen conditions. These three enzymes also exhibit different peptide specificity target proteins, PHD1 and PHD2 can hydroxylate both proline 402 and proline 564, but PHD3 can only hydroxylate proline 564. In addition to HIF, PHD enzymes have also been shown to catalyze the hydroxylation of RNA polymerase subunits and myogenin.

SPECIFICITY: Cross reacts with human, mouse and rat samples.

APPLICATION: Western blot: 1:500 – 1:2000, IHC: 1:50 – 1:200.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



WB of various cell extract with EGLN1 pAb.

RELATED PRODUCTS:

- Recombinant Human BrdT (Cat. No. 7641-20, 100, -1000)
- Human recombinant BRG1 bromodomain (Cat. No. 7650-20, 100)
- Recombinant Human BRD4 (Cat. No. 7644-20, 100, -1000)
- Human recombinant BRD1 bromodomain (Cat. No. 7645-20, 100)
- Human recombinant BRD2 bromodomains 1 (Cat. No. 7646-20, 100)
- Human recombinant BRD2 bromodomain 1 and 2 (Cat. No. 7647-20, 100)
- Human recombinant BRD2 bromodomain 2 (Cat. No. 7648-20, 100)
- Human recombinant BRD9 bromodomain (Cat. No. 7649-20, 100)
- BRD3 bromodomain 1, Human recombinant (Cat. No. 7652-20, 100)
- Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070-1, -5)
- BRD8 Antibody (Cat. No. 3738-100)
- BRD8 Antibody (Cat. No. 3506-100)
- BRD8 Blocking Peptide (Cat. No. 3506BP-50)

FOR RESEARCH USE ONLY! Not to be used on humans.

