

## EGLN1/EGLN2 Polyclonal Antibody

**catalog number: E-AB-65763**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

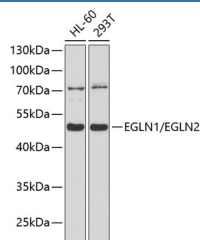
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	A synthetic peptide of human EGLN1/EGLN2
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

### Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
-----------	--------------

### Data



Western blot analysis of extracts of various cell lines using EGLN1/EGLN2 Polyclonal Antibody at 1:1000 dilution.

**Observed-MW:44 kDa**

**Calculated-MW:36 kDa/43 kDa/46 kDa/40 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

The proteins encoded by EGLN1/EGLN2 gene catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF)  $\alpha$  proteins. HIF is a transcriptional complex that plays a central role in mammalian oxygen homeostasis. This protein functions as a cellular oxygen sensor, and under normal oxygen concentration, modification by prolyl hydroxylation is a key regulatory event that targets HIF subunits for proteasomal destruction via the von Hippel-Lindau ubiquitylation complex.

### For Research Use Only