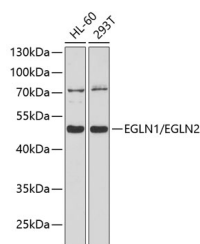


## EGLN1/EGLN2 Polyclonal Antibody

<b>Catalog No.</b>	E-AB-65763	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB	<b>Isotype</b>	IgG

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

### Images



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

### Immunogen Information

<b>Immunogen</b>	A synthetic peptide of human EGLN1/EGLN2
<b>GeneID</b>	54583/112398
<b>Swissprot</b>	Q9GZT9,Q96KS0
<b>Synonyms</b>	EGLN1/EGLN2

### Product Information

<b>Calculated MW</b>	36kDa/43kDa/46kDa/40kDa
<b>Observed MW</b>	44kDa
<b>Buffer</b>	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	WB 1:500-1:2000

### 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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.