

EGLN1/EGLN2 Rabbit pAb

Catalog No.: A10342

Basic Information

Observed MW

44kDa

Calculated MW

36kDa/43kDa/46kDa/40kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human

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.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

54583/112398

Swiss Prot

Q9GZT9/Q96KS0

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 250-350 of human EGLN1/EGLN2 (NP_071334.1/NP_444274.1).

Synonyms

EGLN1/EGLN2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

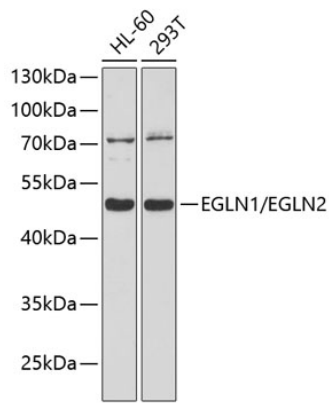
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using EGLN1/EGLN2 antibody (A10342) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.