

Product datasheet for **TA340195**

PHD3 (EGLN3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-EGLN3 antibody: synthetic peptide directed towards the C terminal of human EGLN3. Synthetic peptide located within the following region: FWSDRRNPHEVQPSYATRYAMTVWYFDAEERAEAKKKFRNLTRKTESALT
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	27 kDa
Gene Name:	egl-9 family hypoxia inducible factor 3
Database Link:	NP_071356 Entrez Gene 112399 Human Q9H6Z9



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Background: EGLN3 catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. It hydroxylates HIF-1 alpha at 'Pro-564', and HIF-2 alpha. EGLN3 functions as a cellular oxygen sensor and, under normoxic conditions, targets HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitination complex. It may play a role in cell growth regulation in muscle cells and in apoptosis in neuronal tissue. EGLN3 promotes cell death through a caspase-dependent mechanism.

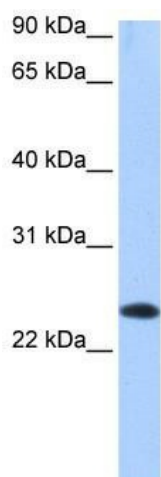
Synonyms: HIFP4H3; HIFPH3; PHD3

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Sheep: 77%; Zebrafish: 75%

Protein Families: Druggable Genome

Protein Pathways: Pathways in cancer, Renal cell carcinoma

Product images:



WB Suggested Anti-EGLN3 Antibody Titration: 0.2-1 ug/ml; Positive Control: Human brain