

Rabbit EGLN3 Polyclonal Antibody | anti-EGLN3 antibody

EGLN3 Antibody (C-term)

CATALOG # AAA284939	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Rat)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

EGLN3; Polyclonal Antibody; EGLN3 Antibody (C-term); Egl nine homolog 3; HPH-1; Hypoxia-inducible factor prolyl hydroxylase 3; HIF-PH3; HIF-prolyl hydroxylase 3; HPH-3; Prolyl hydroxylase domain-containing protein 3; PHD3; anti-EGLN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EGLN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 203-231 amino acids from the C-terminal region of human EGLN3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	203-231
Sequence Length	239
Applicable Applications for anti-EGLN3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

EGLN3 Antibody (C-term) (AAA284939) immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of EGLN3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

EGLN3 Antibody (C-term) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the EGLN3 antibody detected the EGLN3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-EGLN3 antibody	EGLN3 catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF-1 alpha at 'Pro-564', and HIF-2 alpha. 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. May play a role in cell growth regulation in muscle cells and in apoptosis in neuronal tissue. Promotes cell death through a caspase-dependent mechanism (By similarity).
Product Categories/Family for anti-EGLN3 antibody	Cancer; Cardiovascular; Metabolism
References	Sato, M., et al. Exp. Cell Res. 316(17):2871-2882(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Xue, J., et al. Gastroenterology 138(2):606-615(2010) Henze, A.T., et al. Cancer Res. 70(1):357-366(2010) Hatzimichael, E., et al. Eur. J. Haematol. 84(1):47-51(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	11545787
NCBI GeneID	112399
NCBI Accession #	NP_071356.1
NCBI GenBank Nucleotide #	NM_022073.3
UniProt Accession #	Q9H6Z9; Q2TA79; Q3B8N4; Q6P1R2
Molecular Weight	27261
NCBI Official Full Name	egl nine homolog 3 isoform 1
NCBI Official Synonym Full Names	egl-9 family hypoxia-inducible factor 3
NCBI Official Symbol	EGLN3
NCBI Official Synonym Symbols	PHD3; HIFPH3; HIFP4H3
NCBI Protein Information	egl nine homolog 3
UniProt Protein Name	Egl nine homolog 3
UniProt Gene Name	EGLN3
UniProt Synonym Gene Names	HIF-PH3; HIF-prolyl hydroxylase 3; HPH-3; PHD3
UniProt Entry Name	EGLN3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/egln3-antibody-immunohistochemistry-western-blot-elisa/284939>