

Rabbit anti-Human EGLN2 Polyclonal Antibody | anti-EGLN2 antibody

EGLN2 Antibody (Center)

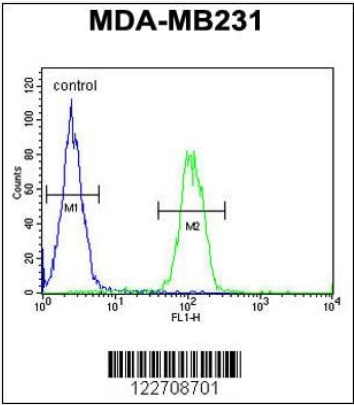
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285488	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

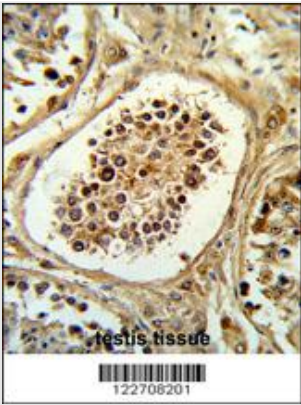
EGLN2; Polyclonal Antibody; EGLN2 Antibody (Center); Egl nine homolog 2; Estrogen-induced tag 6; HPH-3; Hypoxia-inducible factor prolyl hydroxylase 1; HIF-PH1; HIF-prolyl hydroxylase 1; HPH-1; Prolyl hydroxylase domain-containing protein 1; PHD1; EIT6; anti-EGLN2 antibody

PRODUCT SPECIFICATIONS

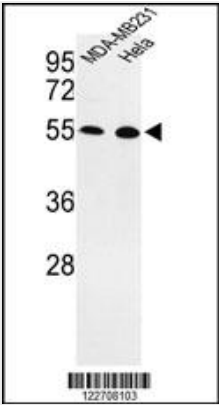
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EGLN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 194-221 amino acids from the Central region of human EGLN2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal 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: 0.49 (varies by lot)
Sequence Positions	194-221
Sequence Length	374
Applicable Applications for anti-EGLN2 antibody	FCM/FACS (Flow Cytometry), 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.



FCM/FACS (Flow Cytometry)
EGLN2 Antibody (Center) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human testis tissue reacted with EGLN2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of EGLN2 Antibody (Center) in MDA-MB231, HeLa cell line lysates (35ug/lane). EGLN2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-EGLN2 antibody	EGLN2 catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF-1 alpha at 'Pro-402' and 'Pro-564', and HIF-2 alpha. It 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.
Product Categories/Family for anti-EGLN2 antibody	Cancer; Cardiovascular; Metabolism
References	Semenza,G.L. et.al., Cell 107 (1), 1-3 (2001) Aprelikova,O., et.al., Cancer Res. 69 (2), 616-624 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	16604260
NCBI GeneID	112398
NCBI Accession #	NP_444274.1; NP_542770.2
NCBI GenBank Nucleotide #	NM_053046.3
UniProt Accession #	Q96KS0; Q8WWY4; Q9BV14; A8K5S0
Molecular Weight	43650

NCBI Official Full Name	egl nine homolog 2
NCBI Official Synonym Full Names	egl-9 family hypoxia-inducible factor 2
NCBI Official Symbol	EGLN2
NCBI Official Synonym Symbols	EIT6; PHD1; HPH-1; HPH-3; HIFPH1; HIF-PH1
NCBI Protein Information	egl nine homolog 2
UniProt Protein Name	Egl nine homolog 2
UniProt Gene Name	EGLN2
UniProt Synonym Gene Names	EIT6; HIF-PH1; HIF-prolyl hydroxylase 1; HPH-1; PHD1
UniProt Entry Name	EGLN2_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/egln2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285488>