

Rabbit anti-Human Egl nine homolog 2 Polyclonal Antibody | anti-Egl antibody

Rabbit anti-human Egl nine homolog 2 polyclonal Antibody

CATALOG # AAA118158	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

Egl nine homolog 2; Polyclonal Antibody; Rabbit anti-human Egl nine homolog 2 polyclonal Antibody; Estrogen-induced tag 6; HPH-3; Hypoxia-inducible factor prolyl hydroxylase 1; HIF-PH1; HIF-prolyl hydroxylase 1; HPH-1; EGLN2; EIT6; anti-Egl antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Sequence Length	407
Applicable Applications for anti-Egl antibody	IHC (Immunohistochemistry), ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human Egl nine homolog 2 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-46025 / sc-46026 / sc-46024
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



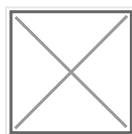
IHC (Immunohistochemistry)

Immunofluorescent analysis of PC3 cells using AAA118158 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA118158 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung tissue using AAA118158 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-Egl antibody	Cellular oxygen sensor that catalyzes, under normoxic conditions, the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates a specific proline found in each of the oxygen-dependent degradation (ODD) domains (N-terminal, NODD, and C-terminal, CODD) of HIF1A. Also hydroxylates HIF2A. Has a preference for the CODD site for both HIF1A and HIF2A. Hydroxylated HIFs are then targeted for proteasomal degradation via the von Hippel-Lindau ubiquitination complex. Under hypoxic conditions, the hydroxylation reaction is attenuated allowing HIFs to escape degradation resulting in their translocation to the nucleus, heterodimerization with HIF1B, and increased expression of hypoxia-inducible genes. EGLN2 is involved in regulating hypoxia tolerance and apoptosis in cardiac and skeletal muscle. Also regulates susceptibility to normoxic oxidative neuronal death. Links oxygen sensing to cell cycle and primary cilia formation by hydroxylating the critical centrosome component CEP192 which promotes its ubiquitination and subsequent proteasomal degradation. Hydroxylates IKBKB, mediating NF-kappaB activation in hypoxic conditions. Target proteins are preferentially recognized via a LXXLAP motif.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16604260
NCBI GeneID	112398
NCBI Accession #	NP_444274.1
NCBI GenBank Nucleotide #	NM_053046.3
UniProt Accession #	Q96KS0; Q8WWY4; Q9BV14; A8K5S0
Molecular Weight	40,168 Da
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://stage.aaabiotech.com/polyclonal/egl-nine-homolog-2-antibody-immunohistochemistry-elisa/118158>