

Datasheet for ABIN2775992
anti-PHD1 antibody (N-Term)[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	PHD1 (EGLN2)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Rabbit, Horse, Zebrafish (Danio rerio), Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHD1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human EGLN2
Sequence:	MCLPSPSKPT SLHPCQAMVA CYPGNGLGYV RHVDNPHGDG RCITCIYYLN
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 86%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against EGLN2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PHD1 (EGLN2)
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Target Details

Alternative Name:	EGLN2 (EGLN2 Products)
Background:	<p>The hypoxia inducible factor (HIF) is a transcriptional complex which is involved in oxygen homeostasis. At normal oxygen levels, the alpha subunit of HIF is targeted for degradation by prolyl hydroxylation. EGLN2 encodes an enzyme responsible for this posttranslational modification. Alternative splicing of EGLN2 results in three transcript variants encoding different isoforms.</p> <p>Alias Symbols: EIT6, PHD1, HPH-1, HPH-3, HIFPH1, HIF-PH1</p> <p>Protein Interaction Partner: SRPK2, CEP192, IKBKG, FAM46A, EPAS1, A2M, MAGEA11, SIAH2, LPP, WTIP, AJUBA, LIMD1, TRIP6, SPRY2, PRPF19, EGLN3, EGLN2, HIF1A, HIF3A, MOB4, POLR2A,</p> <p>Protein Size: 146</p>
Molecular Weight:	16 kDa
Gene ID:	112398
NCBI Accession:	NM_053046
UniProt:	Q96KS0
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Cell RedoxHomeostasis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 146 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Braun, Sponder, Pieper, Aschenbach, Deiner: "GABA selectively increases mucin-1 expression in isolated pig jejunum." in: Genes & nutrition , Vol. 10, Issue 6, pp. 47, (2015) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-EGLN2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human heart