

Datasheet for ABIN2784911
anti-EGLN3 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	EGLN3
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig, Sheep, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EGLN3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human EGLN3
Sequence:	FWSDRRNPHE VQPSYATRYA MTVWYFDAEE RAEAKKKFRN LTRKTESALT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 77%, Zebrafish: 75%
Characteristics:	This is a rabbit polyclonal antibody against EGLN3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	EGLN3
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Target Details

Alternative Name:	EGLN3 (EGLN3 Products)
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. Alias Symbols: FLJ21620, HIFPH3, MGC125998, MGC125999, PHD3 Protein Interaction Partner: FOXJ2, SERTAD1, NCAPH2, EFHC2, ABI2, SIAH2, REL, HIF1A, TTC23L, SQSTM1, HEXIM1, IKBKG, IKBKB, CHUK, MAPK7, MAPK6, MAPK1, PKM, EPAS1, UBD, MAGEA11, UBC, ATF4, WTIP, AJUBA, LIMD1, SPRY2, ADRB2, PRPF19, Myog, EGLN3, EGLN2, EGLN1, OS9, HIF3A, WDR83, Protein Size: 239
Molecular Weight:	27 kDa
Gene ID:	112399
NCBI Accession:	NM_022073 , NP_071356
UniProt:	Q9H6Z9
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 239 AA
Restrictions:	For Research Use only

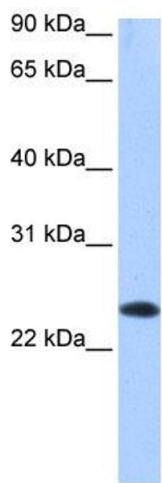
Handling

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

Handling

	should be handled by trained staff only.
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.

Images



Western Blotting

Image 1. WB Suggested Anti-EGLN3 Antibody Titration:

0.2-1 ug/ml

Positive Control: Human brain