

Datasheet for ABIN2463514
anti-EGLN3 antibody



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1 Image

Overview

Quantity:	100 µL
Target:	EGLN3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EGLN3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human EGLN3.
Purification:	Antibody is purified by peptide affinity chromatography method.

Target Details

Target:	EGLN3
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.

Target Details

	EGLN3 promotes cell death through a caspase-dependent mechanism.
Molecular Weight:	27 kDa
Gene ID:	112399
NCBI Accession:	NP_071356
UniProt:	Q9H6Z9
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	EGLN3 antibody can be used for detection of EGLN3 by ELISA at 1:1562500. EGLN3 antibody can be used for detection of EGLN3 by western blot at 1 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL.
Concentration:	1 mg/mL
Buffer:	Antibody is lyophilized in PBS buffer with 2 % sucrose.
Handling Advice:	As with any antibody avoid repeat freeze-thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	For short periods of storage (days) store at 4 °C. For longer periods of storage, store EGLN3 antibody at -20 °C.



Western Blotting

Image 1.