

Datasheet for ABIN631137 **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:	Western Blotting (WB)

Product Details

Immunogen:	EGLN3 antibody was raised using a synthetic peptide corresponding to a region with amino acids FWSDRRNPHEVQPSYATRYAMTVWYFDAEERAEAKKKFRNLTRKTESALT
Purification:	Affinity purified

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 (MW of target protein)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: WB: 1 µg/mL

Optimal conditions should be determined by the investigator.

Comment: EGLN3 Blocking Peptide, catalog no. 33R-3129, is also available for use as a blocking control in assays to test for specificity of this EGLN3 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of EGLN3 antibody in PBS

Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.

Images



Western Blotting

Image 1. EGLN3 antibody used at 1 ug/ml to detect target protein.