

For Research Use Only

EGLN3/PHD3 Recombinant antibody



Catalog Number: 82377-1-RR

Basic Information

Catalog Number: 82377-1-RR	GenBank Accession Number: BC010992	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 112399	CloneNo.: 1019
Source: Rabbit	UNIPROT ID: Q9H6Z9	Recommended Dilutions: WB 1:5000-1:50000 IF 1:125-1:500
Isotype: IgG	Full Name: egl nine homolog 3 (C. elegans)	
Immunogen Catalog Number: AG13197	Calculated MW: 27 kDa	
	Observed MW: 27-30 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: mouse, rat	WB : mouse heart tissue, mouse kidney tissue, rat kidney tissue
	IF : HepG2 cells, U2OS cells

Background Information

EGLN3, also named as HPH-1, HIF-PH3, HPH-3 and PHD3, is a cellular oxygen sensor that catalyzes, under normoxic conditions, the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. It hydroxylates a specific proline found in each of the oxygen-dependent degradation (ODD) domains (N-terminal, NODD, and C-terminal, CODD) of HIF1A. It is a regulator of cardiomyocyte and neuronal apoptosis. EGLN3 can be a prognostic marker for gastric cancer.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

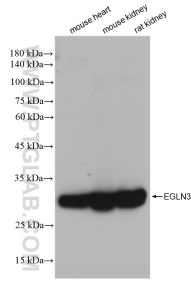
T: 4006900926

E: Proteintech-CN@ptglab.com

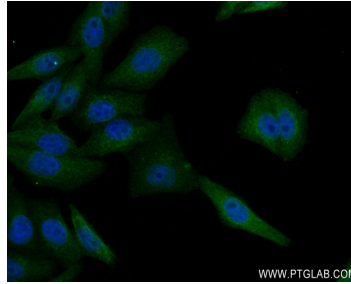
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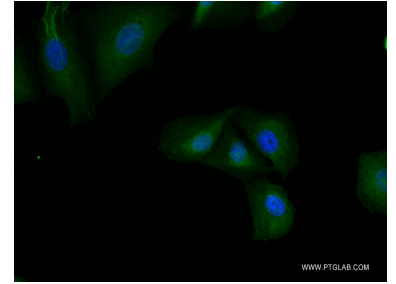
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82377-1-RR (EGN3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using EGN3/PHD3 antibody (82377-1-RR, Clone: 1O19) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using EGN3/PHD3 antibody (82377-1-RR, Clone: 1O19) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).