

For Research Use Only

EGLN3/PHD3 Recombinant antibody, PBS Only



Catalog Number: 82377-1-PBS

Basic Information

Catalog Number: 82377-1-PBS	GenBank Accession Number: BC010992	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 112399	CloneNo.: 1019
Source: Rabbit	UNIPROT ID: Q9H6Z9	
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, Indirect ELISA

Species Specificity:
mouse, rat

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 -80°C.

Storage Buffer:
PBS Only

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

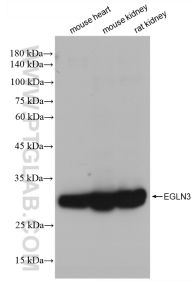
T: 4006900926

E: Proteintech-CN@ptglab.com

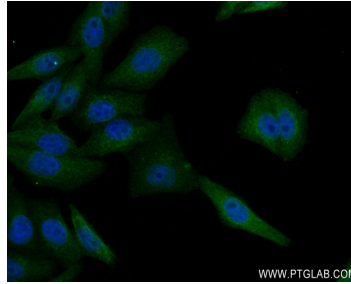
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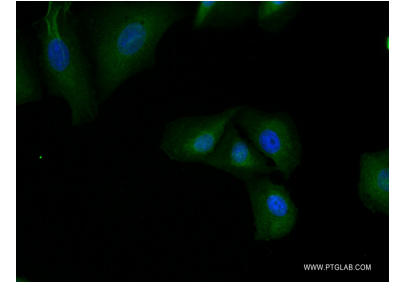
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82377-1-RR (EGLN3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82377-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using EGLN3/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). This data was developed using the same antibody clone with 82377-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using EGLN3/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). This data was developed using the same antibody clone with 82377-1-PBS in a different storage buffer formulation.