

For Research Use Only

EGLN3/PHD3 Polyclonal antibody

Catalog Number: 27875-1-AP



Basic Information

Catalog Number: 27875-1-AP	GenBank Accession Number: BC010992	Purification Method: Antigen affinity purification
Size: 750 ug/ml	GeneID (NCBI): 112399	Recommended Dilutions: WB 1:500-1:1000 IHC 1:400-1:1600
Source: Rabbit	UNIPROT ID: Q9H6Z9	
Isotype: IgG	Full Name: egl nine homolog 3 (C. elegans)	
Immunogen Catalog Number: AG27464	Calculated MW: 27 kDa Observed MW: 27 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : Jurkat cells, IHC : mouse colon tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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:

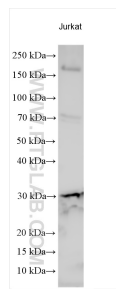
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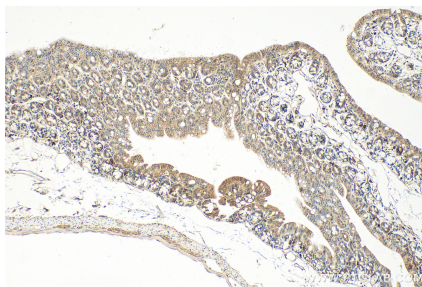
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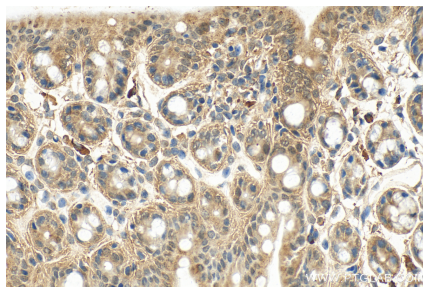
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27875-1-AP (EGLN3/PHD3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 27875-1-AP (EGLN3/PHD3 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 27875-1-AP (EGLN3/PHD3 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).