

Product datasheet for **AP18002PU-N**

EGLN2 Rabbit Polyclonal Antibody

Product data:

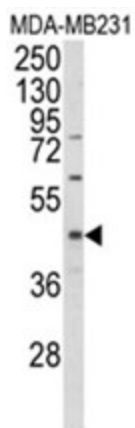
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide selected from the Center region of human EGLN2
Specificity:	This antibody reacts to EGLN2.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	egl-9 family hypoxia inducible factor 2
Database Link:	Entrez Gene 112398 Human Q96KS0
Background:	EGLN2 catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF-1 alpha at 'Pro-402' and 'Pro-564', and HIF-2 alpha. It 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.
Synonyms:	HIF-PH1, HIF PH1, HPH-1, HPH-3, EIT6
Protein Families:	Druggable Genome



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Protein Pathways: Pathways in cancer, Renal cell carcinoma

Product images:



Western blot analysis of EGLN2 Antibody (Center) in MDA-MB231 cell line lysates (35ug/lane). EGLN2 (arrow) was detected using the purified Pab.