

## Product datasheet for **AP11092PU-N**

### **EHMT1/GLP (EHMT1) (N-term) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 172~202 amino acids from the N-terminal region of Human EUHMTASE1
Specificity:	This antibody is specific to Human EUHMTASE1 (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store 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:	euchromatic histone lysine methyltransferase 1
Database Link:	<a href="#">Entrez Gene 79813 Human Q9H9B1</a>



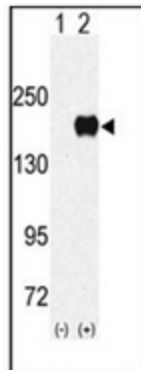
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**Background:**

EHMT1, also known as EUHMTASE1, is a histone methyltransferase. This protein methylates 'Lys-9' of histone H3 in vitro. H3 'Lys-9' methylation represents a specific tag for epigenetic transcriptional repression by recruiting HP1 proteins to methylated histones. EHMT1 is probably targeted to histone H3 by different DNA-binding proteins like E2F6, MGA, MAX and/or DP1. During G0 phase, it probably contributes to silencing of MYC- and E2F-responsive genes, suggesting a role in the G0/G1 transition of the cell cycle.

**Synonyms:**

EUHMTASE1, GLP, KIAA1876, KMT1D, Eu-HMTase1, G9a-like protein 1, GLP, GLP1, H3-K9-HMTase 5

**Product images:**

Western blot analysis of EUHMTASE (arrow) using Rabbit polyclonal EHMT1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EUHMTASE gene (Lane 2) (Origene Technologies).