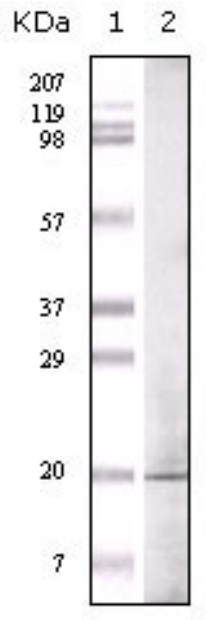
EHMT1 Monoclonal Antibody

Catalog No	BYab-00967
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	EHMT1
Protein Name	Histone-lysine N-methyltransferase, H3 lysine-9 specific 5
Immunogen	Purified recombinant fragment of EHMT1 expressed in E. Coli.
Specificity	EHMT1 Monoclonal Antibody detects endogenous levels of EHMT1 protein.
Formulation	Purified antibody in PBS containing 0.03% sodium azide.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EHMT1; EUHMTASE1; GLP; KIAA1876; KMT1D; Histone-lysine N-methyltransferase EHMT1; Euchromatic histone-lysine N-methyltransferase 1; Eu-HMTase1; G9a-like protein 1; GLP; GLP1; Histone H3-K9 methyltransferase 5; H3-K9-HMTase 5; Lysine N-methy
Observed Band	
Cell Pathway	Nucleus. Chromosome. Associates with euchromatic regions.
Tissue Specificity	Widely expressed.
Function	alternative products:Experimental confirmation may be lacking for some isoforms,catalytic activity:S-adenosyl-L-methionine + histone L-lysine = S-adenosyl-L-homocysteine + histone N(6)-methyl-L-lysine.,disease:Defects in EHMT1 are the cause of chromosome 9q subtelomeric deletion syndrome (9q- syndrome) [MIM:610253]. Common features seen in these patients are severe mental retardation, hypotonia, brachy(micro)cephaly, epileptic seizures, flat face with hypertelorism, synophrys, anteverted nares, cupid bow or tented upper lip, everted lower lip, prognathism, macroglossia, conotruncal heart defects, and behavioral problems.,domain:The SET domain mediates interaction with

	WIZ.,function:Histone methyltransferase. 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 histo
Background	The protein encoded by this gene is a histone methyltransferase that is part of the E2F6 complex, which represses transcription. The encoded protein methylates the Lys-9 position of histone H3, which tags it for transcriptional repression. This protein may be involved in the silencing of MYC- and E2F-responsive genes and therefore could play a role in the G0/G1 cell cycle transition. Defects in this gene are a cause of chromosome 9q subtelomeric deletion syndrome (9q-syndrome, also known as Kleefstra syndrome). Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using EHMT1 Monoclonal Antibody against EHMT1 recombinant protein.