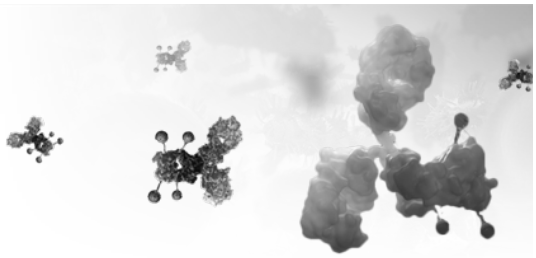

Mouse anti-Human EHMT1 monoclonal antibody, clone 2I3 (CABT-B10173)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	EHMT1 (NP_079033, 1 a.a. ~ 101 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2I3
Conjugate	Unconjugated
Applications	WB,IF,ELISA
Sequence Similarities	MAADEGSAEKQAGEAHMAADGETNGSCENSDASSHANAAKHTQDSARVNPQDGTNTLTRI AENGVSERDSEAAKQNHVTADDFVQTSVIGSNGYILNKPA*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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

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	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). Two transcript variants encoding different isoforms have been found for this gene.Mouse monoclonal antibody raised against a partial recombinant EHMT1.
Keywords	EHMT1; euchromatic histone methyltransferase 1; GLP; GLP1; KMT1D; mKIAA1876; D330003E03; Eu-HMTase1; 9230102N17Rik; histone-lysine N-methyltransferase EHMT1; G9a-like protein 1; lysine N-methyltransferase 1D; euchromatic histone-lysine N-methyltransferase 1;

GENE INFORMATION

Entrez Gene ID	79813
UniProt ID	Q9H9B1
Pathway	Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem
Function	histone methyltransferase activity (H3-K27 specific); histone methyltransferase activity (H3-K9 specific); histone-lysine N-methyltransferase activity; metal ion binding; methyltransferase activity; p53 binding; protein-lysine N-methyltransferase activity; transferase activity; zinc ion binding

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