

Anti mouse GLP/ Ehmt1 mouse monoclonal antibody

GLP: Euchromatic histone-lysine N-methyltransferase 1

Code No	PP-B0422-00
Clone No.	B0422
Lot.	A-2
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G2a
Description	Histone H3 Lys 9 (H3-K9) methylation is a crucial epigenetic mark for transcriptional silencing. G9a is the major mammalian H3-K9 methyltransferase that targets euchromatic regions and is essential for murine embryogenesis. There is a single G9a-related methyltransferase in mammals, called GLP/Eu-HMTase1.
Genbank	AB205007
Origin	Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant mouse GLP (134-234 aa) .
Epitope	
Specificity	This antibody specifically recognizes mouse GLP and cross reacts with human GLP. Not yet tested in other species.
Purification	Ammonium sulfate fractionation
Formulation	Physiological saline with 0.1% NaN ₃ as a preservative.

Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot	0.5 ug/mL
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Non reducing Western Blot	Not yet tested
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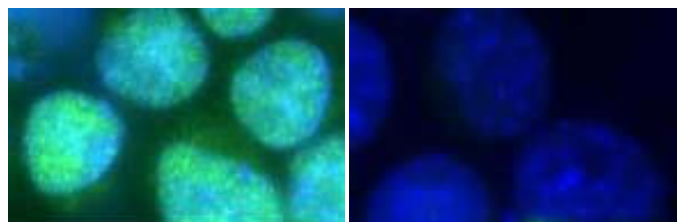
ELISA	0.1 ug/mL
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Immunoprecipitation	Decide by use
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Supershift Assay	Not yet tested
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Chromatin immunoprecipitation	Not yet tested
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Immunohistochemistry	5 ug/mL
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WT mouse
ES cell
(Positive)

GLP KO mouse
ES cell
(Negative)

Storage	Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.
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Reference	Tachibana, M. <i>et al.</i> Genes Dev, 2005; 19(7): 815-26.
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Notes	Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.
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FOR RESEARCH ONLY. NOT FOR USE IN HUMANS.

Not for Diagnostic or Therapeutic use. Purchase of this product does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written consent of Perseus Proteomics Inc. is prohibited.

MADE IN JAPAN

July 1, 2023