

Anti mouse GLP/ Ehmt1 mouse monoclonal antibody

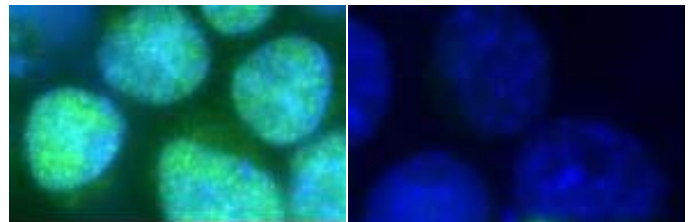
GLP: Euchromatic histone-lysine N-methyltransferase 1

| | |
|----------------------|--|
| Code No | PP-B0422-00 old No. 2ZB0422H |
| Clone No. | B0422 |
| Lot. | A-1 |
| 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. |
| Nomenclature | — |
| 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) . |
| 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 |
| Non reducing Western Blot | Not yet tested |
| ELISA | 0.1 ug/mL |
| Immunoprecipitation | Decide by use |
| Supershift Assay | Not yet tested |
| Chromatin immunoprecipitation | Not yet tested |
| Immunohistochemistry | 5 ug/mL |



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.

Reference Tachibana M. et al., Genes Dev, 1; 19(7): 815-26, 2005.

Notes Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

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

Apr 23, 2008