

Anti mouse G9a /Ehmt2 mouse monoclonal antibody

G9a: Euchromatic histone-lysine N-methyltransferase 2

Code No PP-A8620A-00

Clone No. A8620A

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.

Genbank AB077209

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 G9a (15-114aa).

Epitope

Specificity This antibody specifically recognizes mouse G9a and cross reacts with human G9a. Not yet tested in other species.

Purification Ammonium sulfate fractionation

Formulation Physiological saline with 0.1% NaN₃ 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 tested

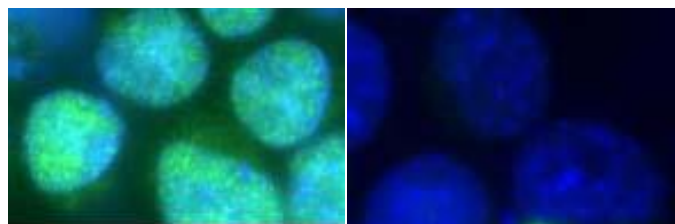
ELISA 0.1 ug/mL

Immunoprecipitation Decide by use

Supershift Assay Not tested

Chromatin immunoprecipitation Not yet tested

Immunohistochemistry 5 ug/mL



WT mouse
ES cell
(Positive)

G9a 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.

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MADE IN JAPAN

Apr 23, 2008