

## EHMT2 Ab

[References\(1\)](#) [Images\(2\)](#)

Cat.#: DF6379

Size:

Concn.: ~1mg/ml

Source: Rabbit

Mol.Wt.: 132kDa

Clonality: Polyclonal

Application:

WB 1:500-1:2000, IHC 1:50-1:200

\*The optimal dilutions should be determined by the end user.

Reactivity:

Human, Mouse, Rat

Storage:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:

The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen:

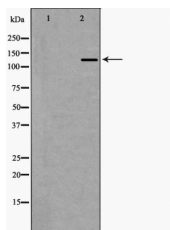
A synthesized peptide derived from human EHMT2, corresponding to a region within N-terminal amino acids.

Uniprot:

Q96KQ7

Description:

G9a, also known as Euchromatic histone-lysine N-methyltransferase 2 (EHMT2), is a member of a family of histone lysine methyltransferases, each of which contains a conserved catalytic SET domain originally identified in *Drosophila* Su[*var*]3-9, Enhancer of zeste, and Trithorax proteins. Recombinant G9a can mono-, di- and tri-methylate histone H3 on Lys9 and Lys27 in vitro (1,2). However, in vivo G9a forms a complex with GLP, a G9a-related histone methyltransferase, and together these proteins function as the major euchromatic histone H3 Lys9 mono- and di-methyltransferases, creating transcriptionally repressive marks that facilitate gene silencing (3,4). G9a methylates itself on Lys165, a modification that regulates the association of HP1 repressor proteins with the G9a/GLP complex.



Western blot analysis of HeLa whole cell lysates, using EHMT2 Ab. The lane on the left was treated with the antigen-specific peptide.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.



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