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## anti-EHMT2 antibody (AA 361-395)



Image



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400 μL
EHMT2
AA 361-395
Human
Rabbit
Polyclonal
This EHMT2 antibody is un-conjugated
Western Blotting (WB)
This EHMT2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic
peptide between 361-395 amino acids from the Central region of human EHMT2.
RB51566
Ig Fraction
This antibody is purified through a protein A column, followed by peptide affinity purification.
EHMT2
EHMT2 (EHMT2 Products)

(H3K9me1 and H3K9me2, respectively) in euchromatin. H3K9me represents a specific tag for epigenetic transcriptional repression by recruiting HP1 proteins to methylated histones. Also mediates monomethylation of 'Lys-56' of histone H3 (H3K56me1) in G1 phase, leading to promote interaction between histone H3 and PCNA and regulating DNA replication. Also weakly methylates 'Lys-27' of histone H3 (H3K27me). Also required for DNA methylation, the histone methyltransferase activity is not required for DNA methylation, suggesting that these 2 activities function independently. Probably targeted to histone H3 by different DNA-binding proteins like E2F6, MGA, MAX and/or DP1. May also methylate histone H1. In addition to the histone methyltransferase activity, also methylates non-histone proteins: mediates dimethylation of 'Lys-373' of p53/TP53. Also methylates CDYL, WIZ, ACIN1, DNMT1, HDAC1, ERCC6, KLF12 and itself.

Molecular Weight:

132370

UniProt:

Q96KQ7

#### **Application Details**

Application Notes:

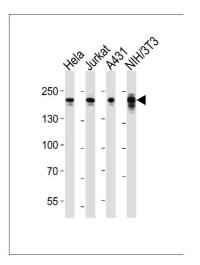
WB: 1:1000

Restrictions:

For Research Use only

### Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



#### **Western Blotting**

Image 1. Western blot analysis of lysates from Hela, Jurkat, A431, mouse NIH/3T3 cell line (from left to right), using EHMT2 Antibody (Center) (ABIN6243050 and ABIN6577865). (ABIN6243050 and ABIN6577865) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 µg per lane.