antibodies - online.com







anti-EHMT2 antibody (AA 589-623)



Image



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0.0		
Quantity:	400 μL	
Target:	EHMT2	
Binding Specificity:	AA 589-623	
Reactivity:	Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This EHMT2 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	This Mouse Ehmt2 antibody is generated from a rabbit immunized with a KLH conjugated	
	synthetic peptide between 589-623 amino acids from the Central region of Mouse Ehmt2.	
Clone:	RB52371	
Isotype:	lg Fraction	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	
Target Details		
Target:	EHMT2	
Alternative Name:	Ehmt2 (EHMT2 Products)	
Background:	Histone methyltransferase that specifically mono- and dimethylates 'Lys-9' of histone H3	

(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:

138039

UniProt:

Q9Z148

Application Details

Application Notes:

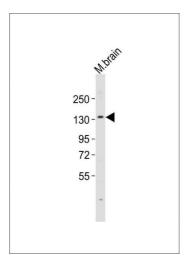
WB: 1:1000

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. Anti-Ehmt2 Antibody (Center)at 1:1000 dilution + mouse brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 138 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.