

Anti-EHMT1/GLP antibody [B0422] ab41969

★★★★★ [6 Abreviews](#) [27 References](#) [2 图像](#)

概述

产品名称	Anti-EHMT1/GLP抗体[B0422]
描述	小鼠单克隆抗体[B0422] to EHMT1/GLP
宿主	Mouse
经测试应用	适用于: ICC/IF
种属反应性	与反应: Mouse
免疫原	Recombinant fragment corresponding to Mouse EHMT1/GLP aa 134-234. Database link: Q5DW34
阳性对照	WT mouse ES cell
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 3rd April 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7 Preservative: 0.1% Sodium azide Constituent: PBS
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	B0422

骨髓瘤	NS1
同种型	IgG2a

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab41969于以下的经测试应用

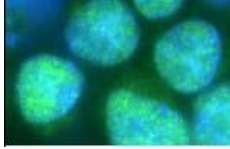
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (2)	Use at an assay dependent concentration.

靶标

功能	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 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. During G0 phase, it probably contributes to silencing of MYC- and E2F-responsive genes, suggesting a role in G0/G1 transition in cell cycle. In addition to the histone methyltransferase activity, also methylates non-histone proteins: mediates dimethylation of 'Lys-373' of p53/TP53.
组织特异性	Widely expressed.
疾病相关	Defects in EHMT1 are the cause of chromosome 9q subtelomeric deletion syndrome (9q-syndrome) [MIM:610253]. Common features seen in these patients are severe mental retardation, hypotonia, brachy(micro)cephaly, epileptic seizures, flat face with hypertelorism, synophrys, anteverted nares, cupid bow or tented upper lip, everted lower lip, prognathism, macroglossia, conotruncal heart defects, and behavioral problems.
序列相似性	Belongs to the histone-lysine methyltransferase family. Contains 8 ANK repeats. Contains 1 pre-SET domain. Contains 1 SET domain.
结构域	The ANK repeats recognize and bind RELA subunit of NF-kappa-B, when RELA is monomethylated at 'Lys-310' (By similarity). They also specifically recognize and bind H3K9me1 and H3K9me2. The SET domain mediates interaction with WIZ.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Nucleus. Chromosome. Associates with euchromatic regions.

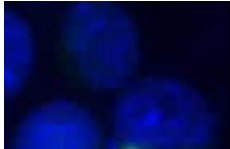
图片



Immunocytochemistry/ Immunofluorescence - Anti-EHMT1/GLP antibody [B0422] (ab41969)

Ab41969 at 5 µg/ml staining WT mouse ES cell (Positive).

This image was generated using the ascites version of the product.



Immunocytochemistry/ Immunofluorescence - Anti-EHMT1/GLP antibody [B0422] (ab41969)

Ab41969 at 5µg/ml staining GLP KO mouse ES cell (Negative).

This image was generated using the ascites version of the product.

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