

Anti-5-methylcytosine (5-mC) antibody [33D3] ab10805

★★★★★ [12 Abreviews](#) [157 References](#) [1 图像](#)

概述

产品名称	Anti-5-methylcytosine (5-mC)抗体[33D3]
描述	小鼠单克隆抗体[33D3] to 5-methylcytosine (5-mC)
宿主	Mouse
特异性	<p>Modified base 5-methylcytidine found in DNA of plants and vertebrates.</p> <p>Raised against the modified ribonucleoside. Specific for the presence of a methyl group on carbon 5 of the pyrimidine ring.</p>
经测试应用	<p>适用于: IHC-P, IP, Southern Blot, Flow Cyt, IHC-Fr</p> <p>不适用于: ICC</p>
种属反应性	与反应: Species independent
免疫原	Chemical/ Small Molecule corresponding to 5-methylcytosine (5-mC).
常规说明	<p>Storage in frost-free freezers is not recommended. Should this product contain a precipitate microcentrifugation before use. While older lots have performed well in ICC, we have received inconsistent results with the latest lots. Unfortunately, we can no longer guarantee this antibody for use in ICC.</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	<p>pH: 7.40</p> <p>Constituents: PBS, 0.876% Sodium chloride</p>
纯度	Protein A purified
Primary antibody说明	Ab10805 recognises the modified base 5-methylcytidine found in DNA of plants and vertebrates.

DNA methylation is a DNA modification process, which is involved in the control of gene expression. Reports suggest that in tumours, DNA is frequently globally hypomethylated compared to the DNA from normal tissue.

克隆	单克隆
克隆编号	33D3
骨髓瘤	Sp2/0-Ag14
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab10805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。

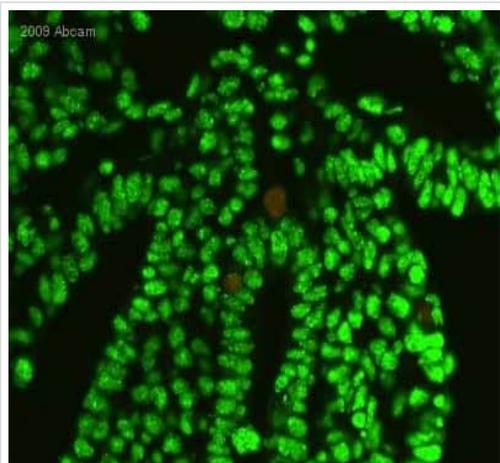
应用	Ab评论	说明
IHC-P	★★★★☆ (4)	Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
IP	★★★★★ (1)	Use at an assay dependent concentration.
Southern Blot		1/200.
Flow Cyt	★★★★★ (1)	Use at an assay dependent concentration. Use 10ul of working dilution to label 1000000 cells in 100ul. (see Habib, M. et al. (1999)). ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-Fr		Use at an assay dependent concentration.

应用说明 Is unsuitable for ICC.

靶标

形式 The native context of double-stranded DNA may obstruct antibody binding to 5-methylcytosine. For successful detection of 5-methylcytosine, we recommend that the DNA is denatured to make the nucleotides accessible for the antibody. Denaturing methods vary depending on each application.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5-methylcytosine (5-mC) antibody [33D3] (ab10805)

This image is courtesy of an Abreview submitted by Ms Sara Maj Wätjen Hyldig

ab10805 staining 5-Methyl Cytidine in pig embryo (15 to 17 days) tissue section by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Tissue underwent fixation in paraformaldehyde, heat mediated antigen retrieval in Tris-EDTA buffer, permeabilization in Triton X-100 and blocking in 2% BSA for 10 minutes at 25°C. The primary antibody was diluted, 1/100 (PBS + 2% BSA) and incubated with sample for 1 hour at 25°C. An Alexa Fluor® 488 conjugated donkey polyclonal to mouse at 1/250 dilution, was used as secondary.

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