

Anti-mono and dimethyl Arginine antibody [7E6] ab412

★★★★★ [2 Abreviews](#) [51 References](#) [2 图像](#)

概述

| | |
|-------|---|
| 产品名称 | Anti-mono and dimethyl Arginine抗体[7E6] |
| 描述 | 小鼠单克隆抗体[7E6] to mono and dimethyl Arginine |
| 宿主 | Mouse |
| 经测试应用 | 适用于: IP, ChIP 不适用于: WB |
| 种属反应性 | 与反应: Species independent |
| 免疫原 | Asymmetrical N ^G /N ^G -dimethyl arginine |
| 阳性对照 | Methylated histones are an option |
| 常规说明 | <p>This antibody will be of central importance in analysing the methylation status of chromatin and transcription factors. Since it recognises both dimethyl and monomethyl arginine it can be used in parallel with ab413 (detects dimethyl arginine only) and ab414 (detects monomethyl arginine only) to monitor the exact modification status. A tissue culture supernatant version is available as ab5394.</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 | Constituents: 0.75% Glycine, 1.21% Tris, 2% Sucrose |
| 纯度 | Protein A purified |
| Primary antibody说明 | <p>This antibody will be of central importance in analysing the methylation status of chromatin and transcription factors. Since it recognises both dimethyl and monomethyl arginine it can be used in parallel with ab413 (detects dimethyl arginine only) and ab414 (detects monomethyl arginine only)</p> |

to monitor the exact modification status. A tissue culture supernatant version is available as **ab5394**.

| | |
|------|---------|
| 克隆 | 单克隆 |
| 克隆编号 | 7E6 |
| 骨髓瘤 | unknown |
| 同种型 | IgG1 |
| 轻链类型 | kappa |

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab412 于以下的经测试应用

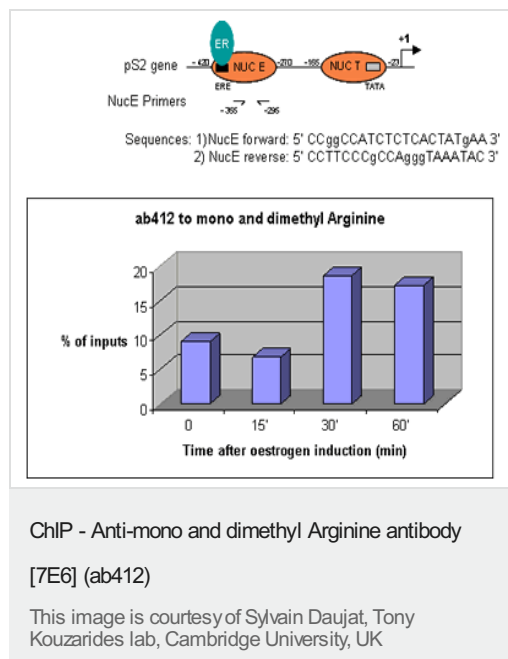
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab 评论 | 说明 |
|------|-----------|--|
| IP | ★★★★★ (1) | Use at an assay dependent concentration. |
| ChIP | | Use 3µl for 10 ⁶ cells. |

应用说明 Is unsuitable for WB.

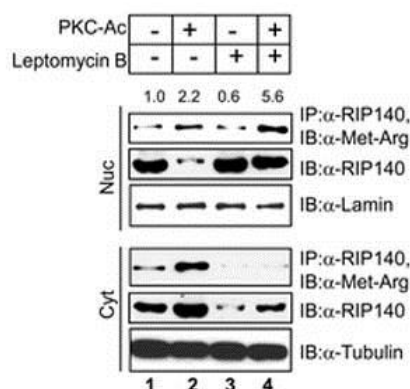
靶标

图片



Sonicated Chromatin prepared from untreated or 17beta-estradiol (E2) treated MCF7 cells was subjected to the ChIP procedure (see protocol) with ab412 to mono and dimethyl Arginine.

Immunoprecipitated chromatin was analysed in the proximal region of the estrogen-responsive pS2 promoter (as shown above) and quantified by real-time PCR (values are % of inputs). The primers are designed to follow the nucleosome E (including the Estrogen Responsive Element ERE). 3 µl of ab412 and 4x10⁶ cells were used in each ChIP experiment.



Immunoprecipitation - Anti-mono and dimethyl

Arginine antibody [7E6] (ab412)

Image from P Gupta et al, PLoS ONE 3:e2658 (2008), Fig 2.

Cell extracts were suspended in 250 µl of immunoprecipitation buffer (150 mM NaCl, 50 mM Tris-HCl (pH 8.0), 1 mM EDTA, 0.2% (v/v) Nonidet P40, 2 mM PMSF, 0.1% (w/v) SDS and a protease-inhibitor cocktail. Protein extracts (200 µg) were incubated with antibodies to RIP140, 14-3-3, or PRMT1 overnight at 4°C, and precipitated with protein G-agarose beads for 1–2 hours. ab412 was then used (amongst other antibodies) in Western Blot. Reduced protein inputs were used for ectopic expression of RIP140 to avoid saturation.

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