

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

★★★★★ [2 Abreviews](#) [51 References](#) [画像数 2](#)

製品の概要

製品名	Anti-mono and dimethyl Arginine antibody [7E6]
製品の詳細	Mouse monoclonal [7E6] to mono and dimethyl Arginine
由来種	Mouse
アプリケーション	適用あり: IP, ChIP 適用なし: WB
種交差性	交差種: Species independent
免疫原	Asymmetrical N ^G /N ^G -dimethyl arginine
ポジティブ・コントロール	Methylated histones are an option
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Constituents: 0.75% Glycine, 1.21% Tris, 2% Sucrose
精製度	Protein A purified
一次抗体 備考	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**.

ポリ/モノ	モノクローナル
クローン名	7E6
ミエローマ	unknown
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

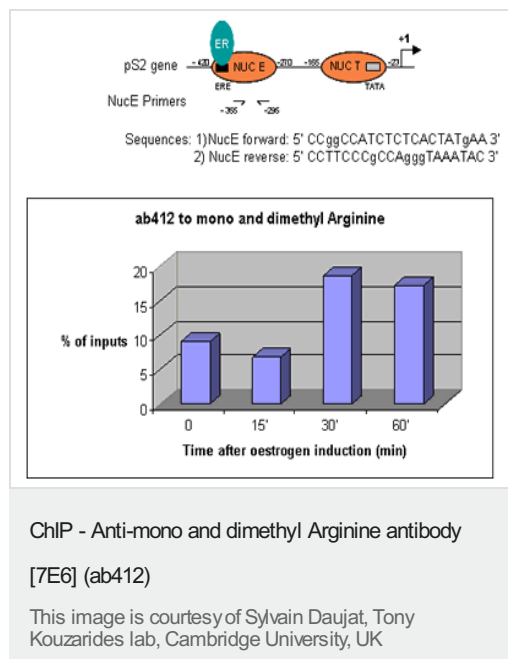
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab412の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP	★★★★★ (1)	Use at an assay dependent concentration.
ChIP		Use 3µl for 10 ⁶ cells.

追加情報 Is unsuitable for WB.

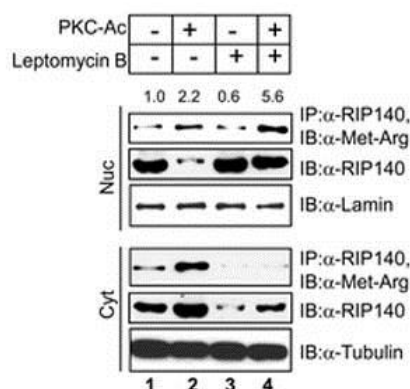
ターゲット情報

画像



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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