

# Anti-dimethyl Arginine antibody [21C7] ab413

★★★★★ [2 Abreviews](#) [10 References](#)

## Overview

<b>Product name</b>	Anti-dimethyl Arginine antibody [21C7]
<b>Description</b>	Mouse monoclonal [21C7] to dimethyl Arginine
<b>Host species</b>	Mouse
<b>Specificity</b>	This antibody reacts with free and bound asymmetric N <sup>G</sup> -N <sup>G</sup> -dimethyl arginine. It is not known whether the antibody reacts with symmetric dimethyl arginine.
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB, ChIP
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Asymmetric N <sup>G</sup> -N <sup>G</sup> -dimethyl arginine (two methyl groups on one of the terminal nitrogen atoms of the guanidinium group)
<b>General notes</b>	<p>This antibody will be of use in chromatin and transcription factor research to monitor methylation status. Since it is specific to dimethyl arginine it can be used in parallel with <a href="#">ab412</a> (detects monomethyl and dimethyl arginine) and <a href="#">ab414</a> (detects monomethyl arginine only) to monitor the exact modification status.</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&amp;As</p>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Constituents: 0.75% Glycine, 1.21% Tris, 2% Sucrose
<b>Purity</b>	Protein A purified
<b>Primary antibody notes</b>	This antibody will be of use in chromatin and transcription factor research to monitor methylation status. Since it is specific to dimethyl arginine it can be used in parallel with <a href="#">ab412</a> (detects monomethyl and dimethyl arginine) and <a href="#">ab414</a> (detects monomethyl arginine only) to monitor the

	exact modification status.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	21C7
<b>Isotype</b>	IgM
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab413 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent dilution.
WB	★★★★★ (1)	1/50 - 1/500.
ChIP	★★★★★ (1)	Use at an assay dependent concentration. Use 5µl for 4x10 <sup>6</sup> cells.

## Target

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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