abcam

Product datasheet

Anti-Maltose Binding Protein antibody [R29.6] ab65

★★★★★ 2 Abreviews 8 References 1 Image

Overview

Product name	Anti-Maltose Binding Protein antibody [R29.6]
Description	Mouse monoclonal [R29.6] to Maltose Binding Protein
Host species	Mouse
Tested applications	**Suitable for:** IP, WB, ChIP
Species reactivity	**Reacts with:** Escherichia coli
Immunogen	Fusion protein corresponding to Maltose Binding Protein. MOS maltose binding protein fusion protein
Positive control	MBP fusion protein generated with the pmal plasmid (New England Biolabs) in bacterial lysate.
General notes	MBP is a bacterial protein, which is also used as a fusion protein in expression constructs. 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. 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

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	R29.6
Myeloma	Sp2/0
Isotype	IgG1
Light chain type	unknown

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab65 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

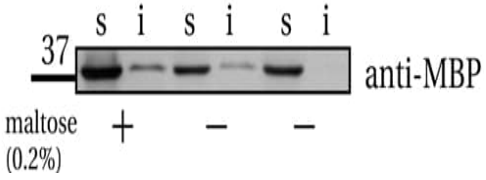
Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
WB	★★★★☆ (1)	1/10000.
ChIP	★★★★★ (1)	Use at an assay dependent concentration.

Target

Relevance Epitope tagging offers an easy and universal strategy for the identification and purification of proteins derived by recombinant DNA technology. The insertion of a Maltose Binding Protein (MBP) tag creates a stable fusion product that does not interfere with the bioactivity of the protein or with the biodistribution of the MBP tagged product. Cleavage by factor Xa separates MBP from its partner protein.

Cellular localization Periplasm

Images



Western blot - Anti-Maltose Binding Protein antibody [R29.6] (ab65)

Image from Verhoeven GS et al., PLoS One. 2009 Aug 25;4(8):e6739.Fig S6.; doi:10.1371/journal.pone.0006739; August 25, 2009, PLoS ONE 4(8): e6739.

Representative western blot detecting Maltose Binding Protein using ab65 at 1.8 µg/ml.

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