Datasheet for ABIN873253

anti-Maltose Binding Protein antibody (AA 43-57)

2 Images

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Overview

Quantity:	100 µL
Target:	Maltose Binding Protein (MBP)
Binding Specificity:	AA 43-57
Reactivity:	E. coli
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Maltose Binding Protein antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from E. coli strain 12 Maltose Binding Protein
Isotype:	IgG
Cross-Reactivity:	Tag
Cross-Reactivity (Details):	Escherichia coli strain K12
Characteristics:	Antibody is specific for: Escherichia coli strain K12
Purification:	Purified by Protein A.

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Target Details

Target:	Maltose Binding Protein (MBP)
Alternative Name:	Maltose Binding Protein/Mbp (MBP Products)
Background:	Synonyms: Maltose/maltodextrin-binding periplasmic protein, MMBP, Maltodextrin-binding protein, Maltose-binding protein, MBP, b4034, JW3994, MALE_ECOLI Background: Part of the ABC transporter complex MalEFGK involved in maltose/maltodextrin import. Binds maltose and higher maltodextrins such as maltotriose.
Gene ID:	948538
UniProt:	P0AEX9

Application Details

Application Notes:	WB 1:100-1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

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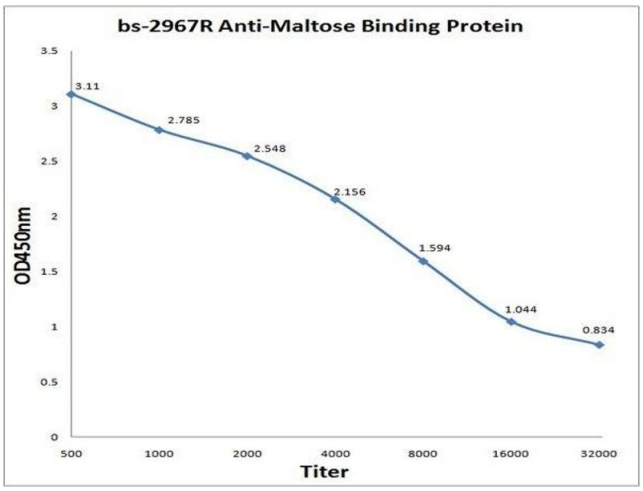
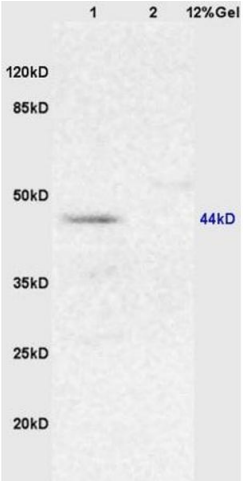


ELISA

Image 1. Antigen: 0.2ug/100ul Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, Secondary: HRP conjugated Goat Anti-Rabbit IgG -HRP) at 1: 5000, TMB staining, Read the data in MicroplateReader by 450nm.



SDS-PAGE

Image 2. Lane 1: mouse brain lysates Lane 2: mouse lung lysates probed with Anti Maltose binding protein/MBP Polyclonal Antibody, Unconjugated (ABIN873253) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 44kD. Observed band size: 44kD.