

Anti-MBP Rabbit Monoclonal Antibody

Catalog # ABO13219

Product Information

Application	WB
Primary Accession	P0AEX9
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-MBP Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	75169489;75204178;948538
Other Names	Maltose/maltodextrin-binding periplasmic protein, MMBP, Maltodextrin-binding protein, Maltose-binding protein, MBP, malE {ECO:0000303 PubMed:4215651}
Calculated MW	43388
Application Details	WB 1:1000-1:5000
Subcellular Localization	Periplasm.
Source	Bacteria
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: BD-13
Immunogen	A synthesized peptide
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

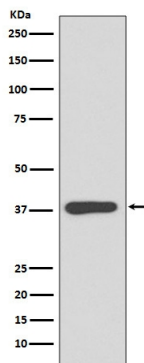
Name	malE {ECO:0000303 PubMed:4215651}
Function	Part of the ABC transporter complex MalEFGK involved in maltose/maltodextrin import. Binds maltose and higher maltodextrins such

as maltotriose.

Cellular Location

Periplasm.

Images



Western blot analysis of MBP expression in E. coli lysate (M30934-2).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-malE monoclonal antibody (Catalog # M30934-2) overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for malE

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