

MBP tag Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22162a

Specification

MBP tag Antibody - Product Information

Application	WB,E
Primary Accession	P0AEX9
Other Accession	P0AEY0
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Calculated MW	43388

MBP tag Antibody - Additional Information

Gene ID 61753691;948538

Other Names

Maltose-binding periplasmic protein, MBP,
MMBP, Maltodextrin-binding protein, malE

Target/Specificity

This MBP tag antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide of MBP tag.

Dilution

WB~~1:16000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

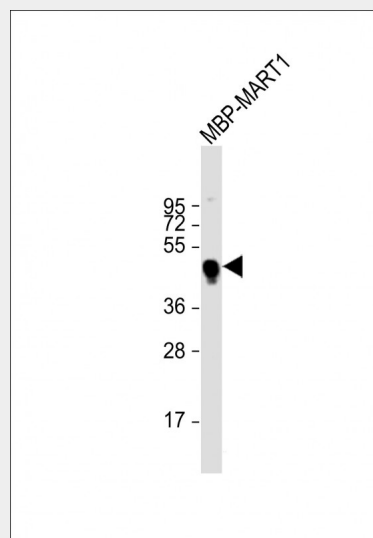
Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

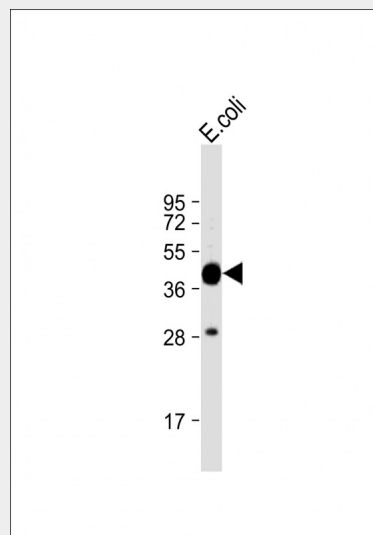
Precautions

MBP tag Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MBP tag Antibody - Protein Information



Anti-MBP tag Antibody at 1:2000 dilution + Recombinant MBP MART1 lysate
Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 43 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-MBP tag Antibody at 1:16000 dilution + E. coli lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.

Name male
{ECO:0000303|PubMed:4215651}

Predicted band size : 43 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

Function

Part of the ABC transporter complex
MaleFGK involved in maltose/maltodextrin
import. Binds maltose and higher
maltodextrins such as maltotriose.

Cellular Location

Periplasm.

MBP tag Antibody - Background

Involved in the high-affinity maltose
membrane transport system MaleFGK. Initial
receptor for the active transport of and
chemotaxis toward maltooligosaccharides.

MBP tag Antibody - References

Duplay P.,et al.J. Biol. Chem.
259:10606-10613(1984).
Blattner F.R.,et al.Nucleic Acids Res.
21:5408-5417(1993).
Blattner F.R.,et al.Science
277:1453-1462(1997).
Hayashi K.,et al.Mol. Syst. Biol. 2:E1-E5(2006).
Bedouelle H.,et al.Mol. Gen. Genet.
185:82-87(1982).

MBP tag Antibody - Protocols

Provided below are standard protocols that you
may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)