

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

Specification

MBP tag Antibody - Product Information

Application	WB,E
Primary Accession	POAEX9
Other Accession	POAEY0
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	43388

MBP tag Antibody - Additional Information

Gene ID 75204178;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

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

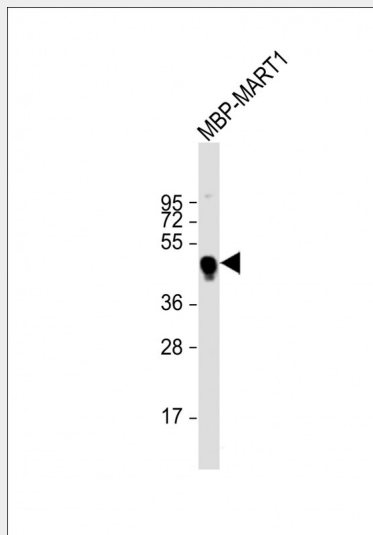
Periplasm.

MBP tag Antibody - Protocols

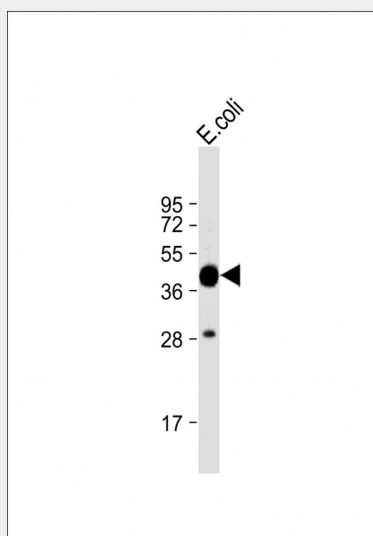
Provided below are standard protocols that you may find useful for product applications.

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

MBP tag Antibody - Images



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



Anti-MBP tag Antibody at 1:16000 dilution + E. coli lysate Lysates/proteins at 20 μ g 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.

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).