

**MBP tag Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22163a**

**Specification**

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**MBP tag Antibody - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">POAEX9</a>
Other Accession	<a href="#">POAEY0</a>
Host	<b>Rabbit</b>
Clonality	<b>polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>43388</b>

**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**

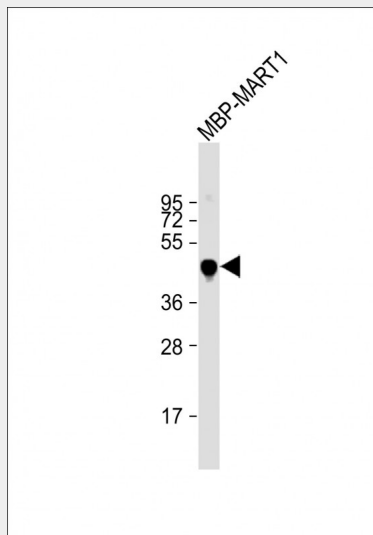
Periplasm.

## MBP tag Antibody - Protocols

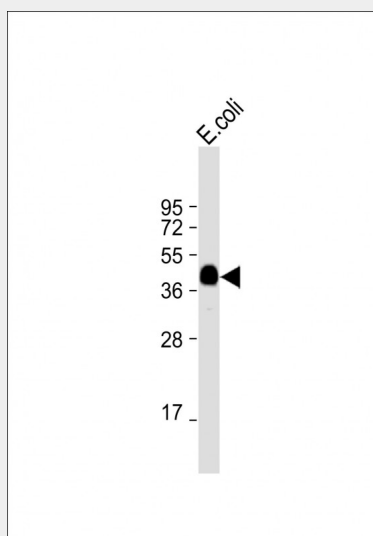
Provided below are standard protocols that you may find useful for product applications.

- [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  $\mu$ 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  $\mu$ 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).