

## Rabbit MBP tag Polyclonal Antibody | anti-malE antibody

MBP tag Antibody

|                               |                       |                                            |
|-------------------------------|-----------------------|--------------------------------------------|
| CATALOG #<br><b>AAA290743</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|--------------------------------------------|

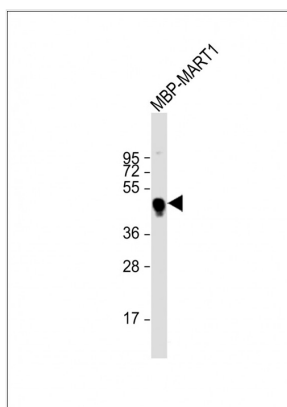
### PRODUCT SYNONYMS

MBP tag; Polyclonal Antibody; MBP tag Antibody; Maltose-binding periplasmic protein; MBP; MMBP; Maltodextrin-binding protein; malE; Purified Rabbit Polyclonal Antibody (Pab); anti-malE antibody

### PRODUCT SPECIFICATIONS

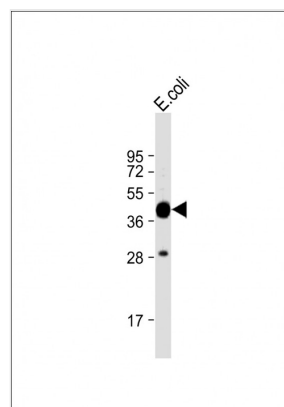
|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Ig                                                                                                                                                                           |
| Specificity                                    | This MBP tag antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide of MBP tag.                                                               |
| Form/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. |
| Concentration                                  | 0.69 (varies by lot)                                                                                                                                                         |
| Sequence Length                                | 396                                                                                                                                                                          |
| Applicable Applications for anti-malE antibody | ELISA, WB (Western Blot)                                                                                                                                                     |
| Cellular Location                              | Periplasm.                                                                                                                                                                   |
| Antigen Type                                   | Synthesized Peptide                                                                                                                                                          |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                        |

### IMAGES



#### WB (Western Blot)

Anti-MBP tag Antibody at 1:2000 dilution + Recombinant MBP MART1 lysate. Lysates/proteins at 20 ug 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.



#### WB (Western Blot)

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

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-malE antibody | Involved in the high-affinity maltose membrane transport system MalEFGK. Initial receptor for the active transport of and chemotaxis toward maltooligosaccharides.                                                                                                      |
| 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). |

NCBI AND UNIPROT INFORMATION

|                               |                                     |
|-------------------------------|-------------------------------------|
| NCBI GI #                     | 84027873                            |
| NCBI GeneID                   | 948538                              |
| UniProt Accession #           | P0AEX9; P02928; Q2M6S0              |
| Molecular Weight              | 43388 Da                            |
| NCBI Official Full Name       | Maltose-binding periplasmic protein |
| NCBI Official Symbol          | malE                                |
| NCBI Official Synonym Symbols | ECK4026; JW3994; malJ               |
| NCBI Protein Information      | maltose transporter subunit         |
| UniProt Protein Name          | Maltose-binding periplasmic protein |
| UniProt Gene Name             | malE                                |
| UniProt Entry Name            | MALE_ECOLI                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.