Product Data Sheet

MBP Polyclonal Antibody

Catalog Number: ORF.MBPPAB-50

Product Details	
Product Name	MBP Polyclonal Antibody
Catalog Number	ORF.MBPPAB-50
Size	50 µL
Concentration	1 mg/mL
Clonality	Polyclonal
Source	Rabbit
Isotype	IgG
Purification	Antigen affinity purification

Product Description

This Maltose Binding Protein (MBP) polyclonal antibody is a high-quality rabbit IgG antibody specifically raised against recombinant *E. coli* MBP (MalE gene product). MBP is a ~40 kDa, 370–amino acid protein widely used as a fusion tag to enhance recombinant protein solubility and facilitate purification.
The antibody is antigen-affinity purified to ensure high specificity and sensitivity, making it well suited for detection of MBP-tagged proteins in Western blot applications. Robust signal detection has been demonstrated across a broad dilution range, enabling reliable identification of MBP at nanogram-level concentrations.

Supplied at 1 mg/mL in a stabilizing PBS-based buffer containing glycerol and BSA, this antibody offers excellent stability for both short and long-term storage. It is an ideal tool for researchers working with MBP fusion proteins in molecular biology, protein expression, and purification workflows.

This polyclonal antibody specifically recognizes MBP and is optimized for use in Western blotting, providing sensitive and reliable detection of MBP in research applications.

Product Image

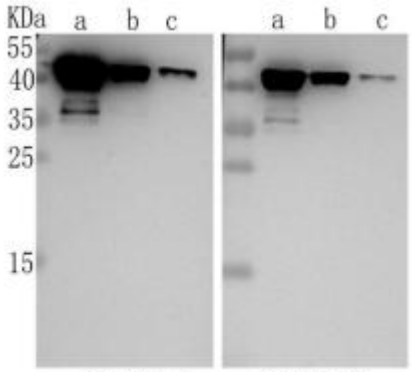

Figure 1 Figure 2

Product Specifications and Product Specific Information

For research applications only. Not for diagnostic or therapeutic use.

Applications	WB: 1:2000 – 1:20000
Reactivity	ALL
Specificity	Recognizes Maltose Binding Protein
Immunogen	Recombinant Maltose Binding Protein
Description	Maltose binding protein (MBP), the 370 amino acid product of the E. coli mal E gene.
Uniprot	P0AEX9
BiowMW	~ 40 kDa
Buffer	PBS, 50% glycerol, 1 mg/mL BSA, 1% Procolin300

Storage and Stability		
	Temperature	**Storage Time**
Short Term	4°C	1 month
Long Term	-20°C	12 months
Avoid repeated freeze-thaw cycles.		

Product Data

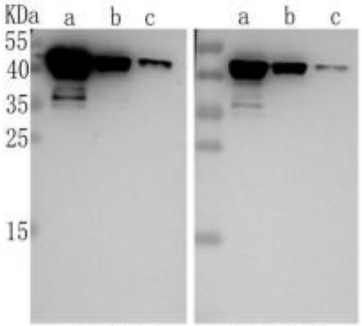

Figure 1 Figure 2

MBP Polyclonal Antibody at 1:2000 (Figure 1) and 1:10000 (Figure 2) dilution
Line a: Recombinant MBP at 100ng
Line b: Recombinant MBP at 10 ng
Line c: Recombinant MBP at 1 ng

For research applications only. Not for diagnostic or therapeutic use.