

MBP-Tag Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP11161
Host	Rabbit
Isotype	IgG
Size	100ul, 50uL, 20ul
Immunogen	Recombinant Protein of MBP-Tag
Mol wt	N/A
Species reactivity	Species independent
Clonality	Polyclonal
Recommended application	WB
Concentration	
Full name	
Synonyms	

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Maltose binding protein (MBP) is the 370 amino acid product of the E.coli mal E gene. MBP is a useful affinity tag that can increase the expression level and solubility of the resulting tagged protein. The MBP tag also promotes proper folding of the attached protein. Plasmid vectors have been constructed utilizing the MBP domain that allow the synthesis of high levels of MBP-fusion proteins that can be purified in a one step procedure by affinity chromatography cross linked amylose resin. Once bound to amylose, the MBP protein can then be separated from the target protein by cleavage by coagulation Factor Xa at a specific four residue site. Alternatively, the intact fusion protein can be specifically eluted from the resin by the addition of excess free maltose.

Recommended Dilution

WB: 1: 5000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year