ELK Biotechnology

MBP-Tag rabbit pAb

Cat No.:ES20673

For research use only

Overview

Product Name	MBP-Tag rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Species independent
Recommended dilutions	WB: 1:5000
Immunogen	Recombinant Protein of MBP-Tag
Specificity	The antibody detects MBP & MBP tag fusion proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	
Gene Name	
Cellular localization	
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	
Observed band	
Human Gene ID	
Human Swiss-Prot Number	
Alternative Names	
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.