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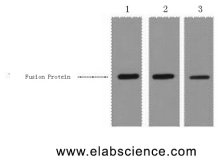
MBP-Tag Monoclonal Antibody

Catalog No.	E-AB-20013	**Reactivity**	
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Mouse
Applications	WB	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western Blot analysis of 0.5ug MBP fusion protein using MBP-Tag Monoclonal Antibody at dilution of 1) 1:3000 2) 1:5000 3) 1:10000.

Immunogen Information

Immunogen	Recombinant Protein
Synonyms	maltose-binding protein,MBP

Product Information

Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
Purify	Protein A purification
Clone No.	Clone:8K2
Dilution	WB 1:5000-1:10000

Background

Protein tags are protein or peptide sequences located either on the C- or N- terminal of the target protein, which facilitates one or several of the following characteristics: solubility, detection, purification, localization and expression. 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.