

Mouse anti-All species MBP Tag Antibody | anti-MBP antibody

MBP tag antibody

CATALOG # AAA58846	HOST Mouse	REACTIVITY All species	APPLICATIONS Western Blot
------------------------------	----------------------	----------------------------------	-------------------------------------

PRODUCT SYNONYMS

MBP Tag; MBP tag antibody; Monoclonal Anti-MBP Tag; anti-MBP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	All species
Isotype	IgG1
Form/Format	Liquid in PBS (pH7.4), 50% Glycerol and 0.02% Sodium Azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-MBP antibody	WB (Western Blot)
Immunogen	Recombinant MBP protein with full length.
Preparation and Storage	Store at -2-8°C for 1 month. Or aliquot and store at -20°C for long term. Avoid repeated freeze and thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-MBP antibody	Maltose-Binding Protein (MBP) is a part of the maltose/maltodextrin system of Escherichia coli, which is responsible for the uptake and efficient catabolism of maltodextrins. It has an approximate molecular mass of 42.5 kilodaltons. MBP is used to increase the solubility of recombinant proteins expressed in E. coli. In these systems, the protein of interest is often expressed as a MBP-fusion protein, preventing aggregation of the protein of interest. In addition, MBP can itself be used as an affinity tag for purification of recombinant proteins. The fusion protein binds to amylose columns while all other proteins flow through. The MBP-protein fusion can be purified by eluting the column with maltose.
Product Categories/Family for anti-MBP antibody	Tag & Loading Control Antibodies
References	1. Claude V. Maina, Paul D. Riggs, Andres G. Grandea III, Barton E. Slatko, Laurie S. Moran, John A. Tagliamonte, Larry A. McReynolds, di Guan Chu. "An Escherichia coli vector to express and purify foreign proteins by fusion to and separation from maltose-binding protein" Gene Volume 74, Issue 2, 30 December 1988, Pages 365-373

NCBI AND UNIPROT INFORMATION

NCBI GI #	133777309
NCBI GeneID	4155
UniProt Accession #	P02686; Q15337; Q15338; Q15339; Q15340; A4FU54; A6NI84; A8MY86; A8MYL4; B3KY66; B7ZKS2; B7ZKS4
NCBI Official Full Name	MBP protein
NCBI Official Synonym Full Names	myelin basic protein

NCBI Official Symbol	MBP
NCBI Protein Information	Golli-MBP; myelin basic protein; myelin A1 protein; myelin membrane encephalitogenic protein
UniProt Protein Name	Myelin basic protein
UniProt Gene Name	MBP
UniProt Synonym Gene Names	MBP
UniProt Entry Name	MBP_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-antibody/mbp-tag/58846>