OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP09126PU-N

malE Rabbit Polyclonal Antibody

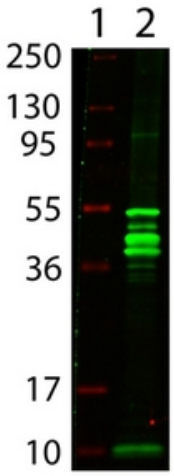
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Anti-MBP is optimally suited for monitoring the expression of MBP tagged fusion proteins. As such, anti- MBP/MBP can be used to identify fusion proteins containing the MBP epitope. The antibody recognizes the MBP epitope tag fused to the amino- or carboxy- termini of targeted proteins. This antibody has been tested by **ELISA** and **Western blotting** against MBP containing recombinant proteins. Although not tested, this antibody is likely functional for Immunoprecipitation and Immunocytochemistry, and other immunodetection techniques. Maltose binding protein is a bacterial protein, which is often used in protein expression studies because it creates a stable fusion product that does not appear to interfere with the bioactivity of the protein of interest. It also allows for its easy purification from bacterial extracts under mild conditions. Anti-MBP is a companion to the pMAL protein expression system and can be used for the detection and purification of MBP-fusion proteins expressed in E. coli. By Western blot, a band is seen at ~ 42 kDa representing MBP. ***Recommended Dilutions:*** **ELISA:** 1/10,000-1/50,000. **Western blot:** 1/1,000-1/5,000.
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Whole rabbit serum prepared by repeated immunizations with the MBP epitope tag recombinant protein
Specificity:	This IgG purified antibody is directed against MBP and is useful in determining its presence in various assays. This polyclonal anti-MBP tag antibody detects over-expressed proteins containing the MBP epitope tag. To date this antibody has reacted with all MBP tagged proteins so far tested. In western blotting of bacterial extracts the antibody does not cross-react with endogenous proteins.

View online »

Formulation:	0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2 State: Purified State: Lyophilized purified IgG fraction Stabilizer: None Preservative: 0.01% (w/v) Sodium Azide
Reconstitution Method:	Restore with 1.0 ml of deionized water (or equivalent).
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P0AEX9
Background:	Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged protein's biochemical properties. Most often sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows anti-epitope tag antibodies to serve as universal detection reagents for any tag containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells.
Synonyms:	MMBP, Maltodextrin-binding protein, malE-Tag

Product images:



Western Blot showing detection of Maltose Binding Protein (MBP) (0.05 g) in Lane 2. MW markers indicated in Lane 1. Protein was run on a 4-20% gel and transferred to 0.45 m nitrocellulose. After blocking with 1% BSA-TTBS (p/n MB-013, diluted to 1X) 30 min

Anti-MBP epitope tag polyclonal antibody detects MBP-tagged recombinant proteins by western blot. Polyclonal rabbit-anti-MBP epitope tag at 0.5-1.0 g/ml was used to detect 1.0 ug of recombinant protein containing the MBP epitope tag. A 4-20% gradient gel w