

À des fins de recherche uniquement

Anticorps Monoclonal anti-MBP tag

Numéro de catalogue: 66003-1-Ig 34 Publications



Informations de base

Numéro de catalogue:

66003-1-Ig

Numéro d'acquisition GenBank:

Identification du gène (NCBI):

Méthode de purification:

Purification par protéine A

Taille:

150ul, Concentration: 2000 µg/ml by Nanodrop and 1041 µg/ml by Bradford method using BSA as the standard;

Nom complet:

MW calculé

40 kDa

CloneNo.:

4C6H4

Dilutions recommandées:

WB 1:1000-1:8000

IP 0.5-4.0 ug for IP and 1:5000-1:50000 for WB

Hôte:

Mouse

MW observés:

40 kDa

Isotype:

IgG2a

Immunogen Catalog Number:

AG0942

Applications

Applications testées:

IF, IP, WB, ELISA

Contrôles positifs:

WB : Protéine recombinante,

IP : protéine protéine recombinante,

Demandes citées:

CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:

Protéine recombinante

Espèces citées:

Humain, rat, souris

Informations générales

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. Alternatively, the intact fusion protein can be specifically eluted from the resin by the addition of excess free maltose. Subsequent to elution, MBP fusion protein can be visualized either by Western blot analysis or immunoprecipitation using antibodies specific for the MBP-tag. An antibody to MBP can also be used to isolate or detect expression of the protein.

Publications notables

Autrice	Pubmed ID	Journal	Application
Song Liu	32908127	Nat Commun	WB
Guizhen Zhao	29089350	Circ Res	WB
Bixin Bai	36380696	Plant J	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

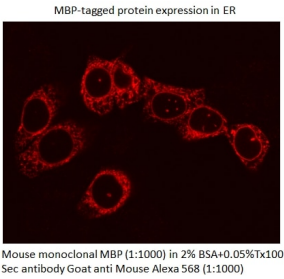
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

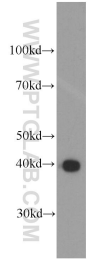
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

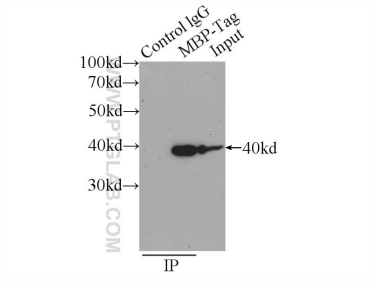
Données de validation sélectionnées



IF result of MBP tag antibody (66003-1-Ig, 1:1,000) with MBP-Tagged protein.Courtesy of Neeraj Tiwari, PhD, Yale School of Medicine, Yale University.



Recombinant protein were subjected to SDS PAGE followed by western blot with 66003-1-Ig (MBP tag antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP Result of anti-MBP tag (IP:66003-1-Ig, 5ug; Detection:66003-1-Ig 1:20000) with Recombinant protein protein lysate 800ug.