

## Myc-Tag Mouse Monoclonal Antibody

Catalog No: #T504

Package Size: #T504-1 50ul #T504-2 100ul

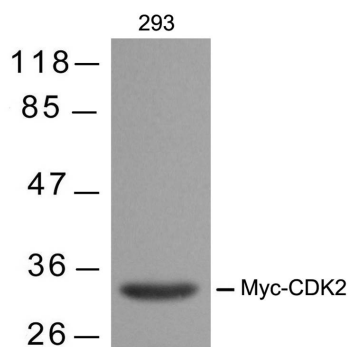
## Description

|                       |                                                                                                                                                                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Myc-Tag Mouse Monoclonal Antibody                                                                                                                                                                                                              |
| Host Species          | Mouse                                                                                                                                                                                                                                          |
| Clonality             | Monoclonal                                                                                                                                                                                                                                     |
| Clone No.             | 9E10                                                                                                                                                                                                                                           |
| Isotype               | IgG1                                                                                                                                                                                                                                           |
| Purification          | Antibodies were produced from mice ascites by injecting mice with a monoclonal cell line which was fused by mouse spleen and SP2/0 myeloma cell. Spleen cells were isolated from mice by immunizing with synthetic peptide and KLH conjugates. |
| Applications          | WB                                                                                                                                                                                                                                             |
| Specificity           | The mouse mAb detects transfected proteins containing the Myc epitope tag. The antibody recognizes the Myc-tag fused to either the amino- or carboxy- terminus of targeted proteins in transfected cells.                                      |
| Immunogen Type        | Peptide                                                                                                                                                                                                                                        |
| Immunogen Description | Peptide sequence around aa. 410-419 (EQKLISEEDL) derived from human c-Myc.                                                                                                                                                                     |
| Conjugates            | Unconjugated                                                                                                                                                                                                                                   |
| Target Name           | Myc-Tag                                                                                                                                                                                                                                        |
| Accession No.         | NCBI Protein: NP_002458.2                                                                                                                                                                                                                      |
| Concentration         | 1.0mg/ml                                                                                                                                                                                                                                       |
| Formulation           | Supplied in mice ascites                                                                                                                                                                                                                       |
| Storage               | Store at 4°C for short term use. Store at -20°C for long term preservation. Avoid freezing and thawing repeatedly.                                                                                                                             |

## Application Details

Western blotting: 1:5000~1:10000

## Images



Western blot analysis of extracts from 293 cells transfected with Myc-CDK2 using Myc-Tag mouse mAb #T504.

## Background

Epitope tags are artificial epitopes useful for the labeling and detection of proteins. Epitope tags - short amino acid sequences are 'fused' to the N- or C-terminus of the protein.

Munro, S. and Pelham, H.R. (1984) EMBO J. 3, 3087-3093.

## Published Papers

TaoChen, Jingjie Li et al, et al., PKC $\theta$  phosphorylates MIIP and promotes colorectal cancer metastasis through inhibition of RelA deacetylation., Nature Communications, 8(1):939. doi: 10.1038/s41467-017-01024-2.(2017 Oct 16)

[PMID:29038521](#)

Ting Wang, Qiujiu Yu Li et al et al., GlcNAcylation of fumarase maintains tumour growth under glucose deficiency., Nature Cell Biology, doi: 10.1038/ncb3562(2017)

[PMID:28628081](#)

et al., O-GlcNAcylation of PFKFB3 is required for tumor cell proliferation under hypoxia.In Oncogenesis on 2020 Feb 14 by Lei Y, Chen T, et al..PMID:32060258, , (2020)

[PMID:32060258](#)

et al., O-GlcNAcylation of Fumarase Maintains Tumour Growth Under Glucose Deficiency .In Nat Cell Biol ON 2017 Jul by Ting Wang , Qiujiu Yu,et al..PMID: 28628081, , (2017)

[PMID:28628081](#)

et al., PKC $\theta$  phosphorylates MIIP and promotes colorectal cancer metastasis through inhibition of RelA deacetylation.In Nat Commun on 2017 Oct 16 by Tao Chen, Jingjie Li ,et al..PMID: 29038521, , (2017)

[PMID:29038521](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.