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## **Human Myc tag antibody**

Catalog Number: ATGA0395

## **PRODUCT INFORMATION**

## Catalog number

ATGA0395

#### Clone No.

AT19B4

## **Product type**

Monoclonal Antibody

#### UnitProt No.

P01106

#### **NCBI Accession No.**

NP 002458

#### **Alternative Names**

Myc proto-oncogene protein, Class E basic helix-loop-helix protein 39, Proto-oncogene c-Myc, Transcription factor p64, MYC, BHLHE39, c-Myc, MRTL, MYCC

## **PRODUCT SPECIFICATION**

## **Antibody Host**

Mouse

#### **Reacts With**

Human

#### **Concentration**

1mg/ml (determined by BCA assay)

### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

## **Immunogen**

Recombinant human C-Myc (410-419aa) with tag purified from E. coli

## Isotype

IgG1 kappa

## **Purification Note**

By protein-A affinity chromatography

## **Application**

ELISA, WB

#### Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



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## **Storage**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **Description**

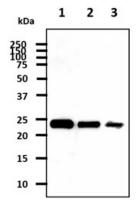
A myc tag is a polypeptide protein tag derived from the c-myc gene product that can be added to a protein using recombinant DNA technology. It can be used for affinity chromatography, then used to separate recombinant, overexpressed protein from wild type protein expressed by the host organism. It can also be used in the isolation of protein complexes with multiple subunits. A myc tag can be used in many different assays that require recognition by an antibody. If there is no antibody against the studied protein, adding a myc-tag allows one to follow the protein with an antibody against the Myc epitope.

#### **General References**

Cotterman R., et al. (2008) Cancer Res. 68(23): 9654-9662. Finver SN., et al. (1988) P NATL ACAD SCI. USA 85(9): 3052-3056.

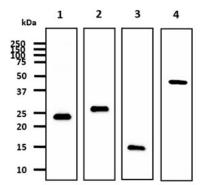
#### **DATA**

## Western blot analysis (WB)



The recombinant human SNCA-Myc tag proteins (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with antihuman Myc tag antibody. Proteins were visualized using a goat antimouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: Anti-human Myc tag monoclonal antibody (1:1000) Lane 2.: Anti-Human Myc tag monoclonal antibody (1:5000) Lane 3.: Anti-Human Myc tag monoclonal antibody (1:10000)



The recombinant proteins were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Myc tag antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: Recombinant Human SNCA-Myc tag (20ng) Lane 2.: Recombinant Human Myc-GST tag (50ng) Lane 3.: Recombinant Human s100A8-Myc tag (50ng) Lane 4.: Recombinant Human CHI3L1-Myc tag (50ng)

