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

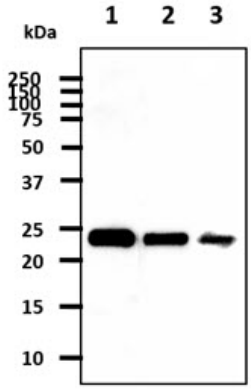
A myc tag is a polypeptide protein tag derived from the c-myc gene product that can be added to a protein using recombinant DNA technology. It can be used for affinity chromatography, then used to separate recombinant, overexpressed protein from wild type protein expressed by the host organism. It can 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

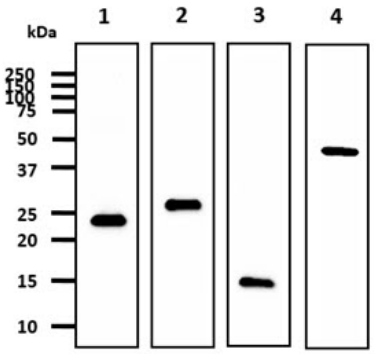
Cotterman R., et al. (2008) Cancer Res. 68(23): 9654-9662.
Finver SN., et al. (1988) P NATL ACAD SCI. USA 85(9): 3052-3056.

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 anti-human Myc tag antibody. Proteins were visualized using a goat anti-mouse 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)