

cMyc-tag Antibody [5G5H7] (biotin)

Catalog # ASC12050

Product Information

Application WB, E
Primary Accession P60709
Other Accession 60
Host Mouse
Clonality Monoclonal

Isotype IgG Calculated MW 41737

Application NotesBiotin-cMyc antibody can be used for detection of cMyc by Western blot at 0.5

- 1 D/ml.

Additional Information

Gene ID 60

Other Names Biotin-cMyc, cMyc, Myc

Precautions cMyc-tag Antibody [5G5H7] (biotin) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name ACTB

Function Actin is a highly conserved protein that polymerizes to produce filaments

that form cross-linked networks in the cytoplasm of cells (PubMed: 25255767, PubMed: 29581253). Actin exists in both monomeric (G-actin) and polymeric (F-actin) forms, both forms playing key functions, such as cell motility and contraction (PubMed: 29581253). In addition to their role in the cytoplasmic cytoskeleton, G- and F- actin also localize in the nucleus, and regulate gene transcription and motility and repair of damaged DNA (PubMed: 29925947). Plays a role in the assembly of the gamma-tubulin ring complex (gTuRC), which regulates the minus-end nucleation of alpha-beta tubulin heterodimers

that grow into microtubule protafilaments (PubMed:39321809,

PubMed:<u>38609661</u>). Part of the ACTR1A/ACTB filament around which the dynactin complex is built (By similarity). The dynactin multiprotein complex activates the molecular motor dynein for ultra-processive transport along

microtubules (By similarity).

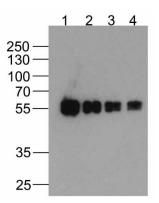
Cellular Location Cytoplasm, cytoskeleton. Nucleus Note=Localized in cytoplasmic mRNP

granules containing untranslated mRNAs.

Background

Epitope tags provide a method to localize gene products in a variety of cell types, study the topology of proteins and protein complexes, identify associated proteins, and characterize newly identified, low abundance or poorly immunogenic proteins when protein specific antibodies are not available. cMyc-tag is one of the more popular epitope tags for expressed recombinant proteins.

Images



Western blot analysis of (1) 200ng, (2) 100ng, (3) 50ng, and (4) 25ng of cMyc-tagged recombinant protein (GGP1) with Biotin-cMyc-tag antibody at 0.5 μ g/ml.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.