

Anti-c-Myc Antibody [6G6]

RT1149



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human, Mouse, Rat, Monkey
Applications:	WB, IP, IF, IHC-P
Molecular Wt:	67kDa
Clone number:	6G6

Description: C-Myc-, N-Myc- and L-Myc-encoded proteins function in cell proliferation, differentiation and neoplastic disease. Myc proteins are nuclear proteins with relatively short half lives. Amplification of the c-Myc gene has been found in several types of human tumors including lung, breast and colon carcinomas, while the N-Myc gene has been found amplified in neuroblastomas. The L-Myc gene has been reported to be amplified and expressed at high level in human small cell lung carcinomas. The presence of three sequence motifs in the c-Myc COOH terminus, including the leucine zipper, the helix-loop-helix and a basic region provided initial evidence for a sequence-specific binding function. A basic region helix-loop-helix leucine zipper motif (bHLH-Zip) protein, designated Max, specifically associates with c-Myc, N-Myc and L-Myc proteins. The Myc-Max complex binds to DNA in a sequence-specific manner under conditions where neither Max nor Myc exhibit appreciable binding. Max can also form heterodimers with at least two additional bHLH-Zip proteins, Mad and Mxi1, and Mad-Max dimers have been shown to repress transcription through interaction with mSin3.

Immunogen: peptide

Positive control: Jurkat, COS

Subcellular location: Nucleus

Database links: SwissProt: P01106 Human

Recommended Dilutions:

WB	1:100-1:1,000
IP	1-2 µg per 100-500 µg of total protein(1 ml of cell lysate)
IF	1:50-1:500
IHC-P	1:50-1:500 FCM: 1 µg per 1 x 10 ⁶ cells

Storage Buffer: 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Storage Instruction: Store at +4℃

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

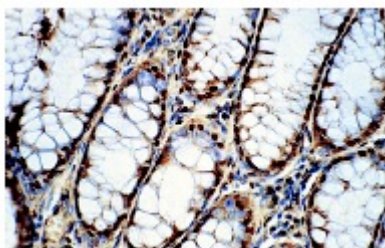


Fig1: c-Myc Antibody: RT1149. Immunoperoxidase staining of formalin-fixed, paraffin-embedded normal human colon showing intense nuclear staining.

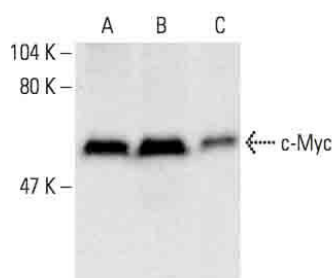


Fig2: c-Myc Antibody: RT1149. Western blot analysis of c-Myc expression in HeLa (A), Jurkat (B) and K-562 (C) whole cell lysates.

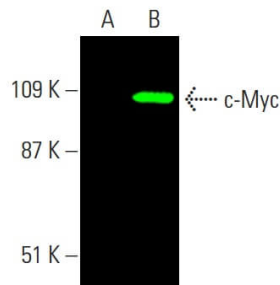


Fig3: c-Myc Antibody AF680: RT1149 AF680. Direct near-infrared western blot analysis of c-Myc expression in COS whole cell lysates prepared from non-transfected cells (A) and c-Myc fusion protein transfected cells (B). Blocked with UltraCruz® Blocking Reagent: sc-516214.

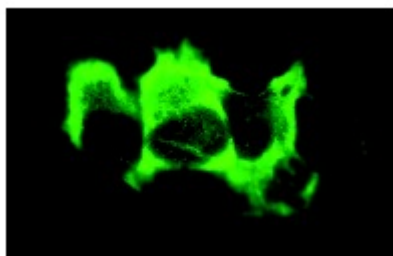


Fig4: c-Myc Antibody: RT1149. Immunofluorescence staining of methanol-fixed COS cells transfected with c-Myc fusion protein showing cytoplasmic staining.

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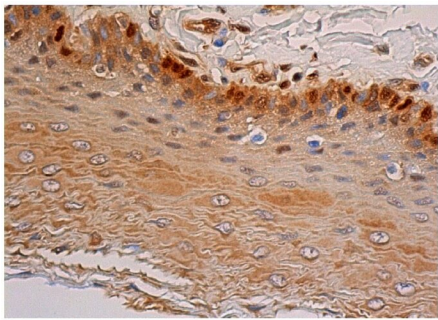


Fig5: c-Myc Antibody: RT1149. Immunoperoxidase staining of formalin fixed, paraffin-embedded human esophagus tissue showing nuclear and cytoplasmic staining of squamous epithelial cells.

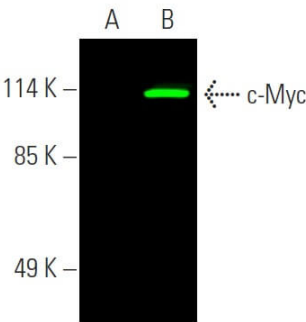


Fig6: c-Myc Antibody: RT1149. Near-infrared western blot analysis of c-Myc expression in COS whole cell lysates prepared from non-transfected cells (A) and c-Myc fusion protein transfected cells (B). Blocked with UltraCruz® Blocking Reagent: sc-516214. Detection reagent used: m-IgGk BP-CFL 680: sc-516180.

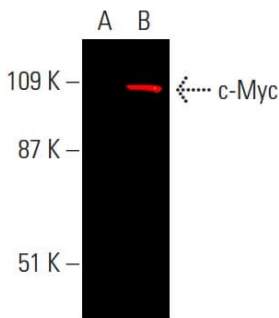


Fig7: c-Myc Antibody AF790: RT1149 AF790. Direct near-infrared western blot analysis of c-Myc expression in COS whole cell lysates prepared from non-transfected cells (A) and c-Myc fusion protein transfected cells (B). Blocked with UltraCruz® Blocking Reagent: sc-516214.

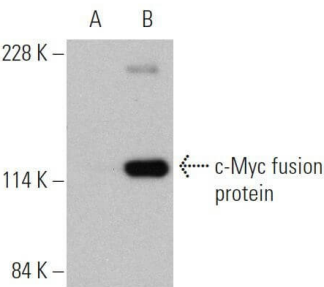


Fig8: c-Myc Antibody HRP: RT1149 HRP. Direct western blot analysis of c-Myc expression in COS whole cell lysates prepared from non-transfected cells (A) and c-Myc fusion protein transfected cells (B).

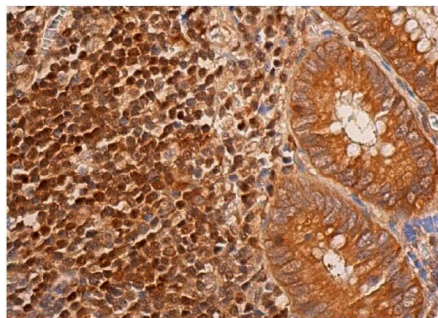


Fig9: c-Myc Antibody: RT1149. Immunoperoxidase staining of formalin fixed, paraffin-embedded human appendix tissue showing cytoplasmic staining of glandular cells and nuclear and cytoplasmic staining of lymphoid cells.

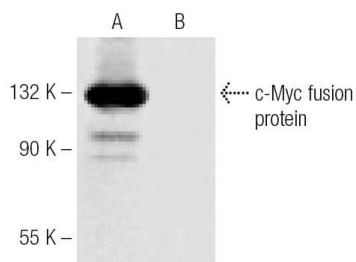


Fig10: c-Myc Antibody: RT1149. Western blot analysis of whole cell lysates prepared from COS cells transfected with a c-Myc fusion protein (A) and non-transfected (B) cells.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Méndez-Vidal, C., et al. 2013. PTTG2 silencing results in induction of epithelial-to-mesenchymal transition and apoptosis. *Cell Death Dis.* 4: e530.
2. de la Puerta, M.L., et al. 2013. The autoimmunity risk variant LYP-W620 cooperates with CSK in the regulation of TCR signaling. *PLoS ONE* 8: e54569

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