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# Recombinant c-Myc Monoclonal Antibody

catalog number: AN301056L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human c-Myc protein

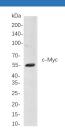
HostRabbitIsotypeIgG,κCloneB811PurificationProtein A

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

## Applications Recommended Dilution

**IHC** 1:200-1000 **WB** 1:1000-5000

#### Data



Western Blot with Recombinant c-Myc Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: A172 cells.

Immunohistochemistry of paraffin-embedded human lung tissue using Recombinant c-Myc Monoclonal Antibody at dilution of 1:200.

Observed-MW:60 kDa Calculated-MW:48 kDa

# **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping lce bag

### **Background**

MYC(v-myc avian myelocytomatosis viral oncogene homolog) Homo sapiens The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkit t's lymphomas, suggesting its importance in the normal function of this gene.

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