

**Anti-MYC EPI TOPE TAG (RABBIT) Antibody**  
**MYC Epitope Tag Antibody**  
**Catalog # ASR5197****Specification**

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**Anti-MYC EPI TOPE TAG (RABBIT) Antibody - Product Information**

Host	Rabbit
Conjugate	Unconjugated
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-Myc has utility to detect the fusion protein of the Myc epitope cloned along with the target gene. As such, anti-Myc/Myc can be used to identify fusion proteins containing the Myc epitope. The antibody recognizes the Myc tag fused either to the AMINO- or CARBOXY- termini of targeted proteins. This antibody was tested by ELISA and western blotting and was tested against both the immunizing peptide and Myc-tagged recombinant proteins. Although not tested, this antibody is likely functional for immunoprecipitation and immunocytochemistry.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	This antibody was purified from whole rabbit serum prepared by repeated immunizations with Myc epitope tag peptide, E-Q-K-L-I-S-E-E-D-L, conjugated to KLH using maleimide. The sequence corresponds to amino acids 410-419 of human c-Myc.
Preservative	0.01% (w/v) Sodium Azide

**Anti-MYC EPI TOPE TAG (RABBIT) Antibody - Additional Information****Purity**

This affinity purified antibody is directed against human c-Myc and is useful in determining its presence in various assays. This polyclonal anti-Myc-tag antibody detects overexpressed proteins containing the Myc epitope tag. The antibody recognizes the Myc-tag (Glu-Gln-Lys-Leu-Ile-Ser-Glu-Glu-Asp-Leu) fused to either the amino- or carboxy- termini of targeted proteins in transfected or transformed cells.

**Storage Condition**

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted

liquid. Dilute only prior to immediate use.

#### **Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

### **Anti-MYC EPI TOPE TAG (RABBIT) Antibody - Protein Information**

### **Anti-MYC EPI TOPE TAG (RABBIT) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Anti-MYC EPI TOPE TAG (RABBIT) Antibody - Images**



Anti-Myc epitope tag polyclonal antibody detects both AMINO and CARBOXY terminal linked Myc-tagged recombinant proteins by western blot. Polyclonal rabbit host anti-Myc epitope tag antibody was diluted to 1.0  $\mu\text{g/ml}$  to detect either recombinant protein. 4-20% gradient gels were used to resolve the proteins by SDS-PAGE. The proteins were transferred to nitrocellulose using standard methods. After blocking, the membranes were probed with the primary antibody overnight at 4°C followed by washes and reaction with a 1:10,000 dilution of IRDye® 800 conjugated Gt-a-Rabbit IgG (H&L) MX10 (code 611-132-122) for 45 min at room temperature (Green, 800 nm channel). Pre-stained molecular weight markers are also shown (lane M, Red, 700 nm channel). LICOR's Odyssey® Infrared Imaging System was used to scan and process the image. Other detection systems will yield similar results.

### **Anti-MYC EPI TOPE TAG (RABBIT) Antibody - Background**

Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the biochemical properties of the tagged protein. Most often, sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows anti-epitope tag

antibodies to serve as universal detection reagents for any tag-containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells. Rockland Immunochemicals produces anti-epitope tag antibodies against many common epitope tags including Myc, GST, GFP, 6X His, MBP, FLAG and HA. Rockland Immunochemicals also produces antibodies to other tags including FITC, Rhodamine (TRITC), DNP and biotin.