

Polyclonal Antibody to c-Myc Epitope Tag (EQKLISEEDL) - Aff - Purified

Alternate names:	c-myc tag, myc tag, myc-tag
Catalog No.:	R1182
Quantity:	0.1 mg
Concentration:	1.17 mg/ml (by UV absorbance at 280 nm)
Background:	<p>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 tagged protein's biochemical properties. 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. We offer anti-epitope tag antibodies against many common epitope tags including Myc, GST, GFP, 6X His, MBP, FLAG and HA. Please visit our website at www.acris-antibodies.de for more informations.</p>
Uniprot ID:	P01106
NCBI:	NP_002458
GeneID:	4609
Host:	Rabbit
Immunogen:	<p>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. Remarks: The sequence corresponds to aa 410-419 of Human c-Myc.</p>
Format:	<p>State: Liquid (sterile filtered) purified Ig fraction. Purification: Affinity Chromatography. Buffer System: 0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2 containing 0.01% (w/v) Sodium Azide as preservative without stabilizers.</p>
Applications:	<p>This antibody has been tested by ELISA (1/135,000) and Western blot (1/500-1/5,000) against both the immunizing peptide and myc containing recombinant proteins. Use 1/400-1/2,000 for Immunohistochemistry on frozen sections. Although not tested, this antibody is likely functional for Immunoprecipitation and Immunocytochemistry.</p>

For research and in vitro use only. Not for diagnostic or therapeutic work.

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Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

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 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:

Store the antibody (undiluted) at 2-8°C for one month or (in aliquots) at -20°C for longer.

Dilute only prior to immediate use.

Avoid repeated freezing and thawing.

Shelf life: One year from despatch.

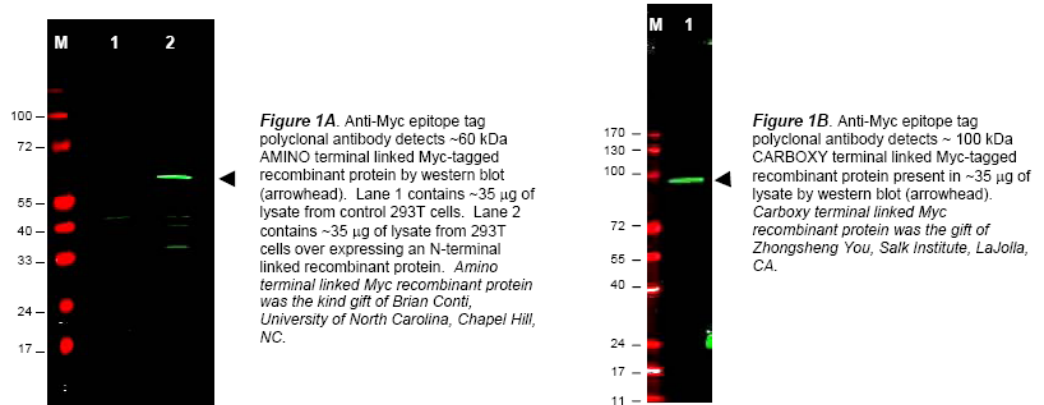
Pictures:


Figure 1. Anti-Myc epitope tag polyclonal antibody detects both AMINO and CARBOXY terminal linked Myc-tagged recombinant proteins by Western blot. Polyclonal rabbit-anti-Myc epitope tag antibody was diluted to 1.0 µg/ml to detect either recombinant protein. 4-20% gradient gels were used to separate 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] 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.

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