

## Product datasheet for **AP31790PU-N**

### c-Myc (MYC) Chicken Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot</b> (1/500). <b>Immunoprecipitation</b> (1/250). <b>Immunocytochemistry</b> (1/250). <b>Immunohistochemistry.</b> <b>Quality Control:</b> Antibodies were analyzed using ELISA and Western blots using an N-terminal FLAG®-tagged protein. Secondary antibodies used in these Quality Control assays were Alkaline Phosphatase (1/1000 dilution) and HRP-labeled (1/3000 dilution) Goat anti-Chicken IgY antibodies respectively.
Reactivity:	Human
Host:	Chicken
Isotype:	IgY
Clonality:	Polyclonal
Immunogen:	Synthetic peptide containing the Human c-myc epitope (i.e., EQKLISEEDL) conjugated to KLH. The first injection included complete Freund's adjuvant; subsequent injections included incomplete Freund's adjuvant. Eggs were collected after the fourth injection, and antibodies were purified from the yolks using a proprietary method that yields a purity of >90%.
Specificity:	Recognizes c-myc Epitope
Formulation:	PBS, pH 7.2 containing 0.02% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified (0.2 µm filter sterilized) IgY fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography over a peptide column and then dialyzed against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted in the dark at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	v-myc avian myelocytomatosis viral oncogene homolog



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<b>Database Link:</b>	<a href="#">Entrez Gene 4609 Human P01106</a>
<b>Background:</b>	<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.</p>
<b>Synonyms:</b>	myc tag, myc-tag, c-myc tag
<b>Protein Families:</b>	Druggable Genome, Embryonic stem cells, Induced pluripotent stem cells, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Stem cell relevant signaling - TGFb/BMP signaling pathway, Stem cell relevant signaling - Wnt Signaling pathway, Transcription Factors
<b>Protein Pathways:</b>	Acute myeloid leukemia, Bladder cancer, Cell cycle, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Jak-STAT signaling pathway, MAPK signaling pathway, Pathways in cancer, Small cell lung cancer, TGF-beta signaling pathway, Thyroid cancer, Wnt signaling pathway