

## DESCRIPTION

<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects human and mouse MYCL1/L-Myc in Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human MYCL1/L-Myc Gly16-Asn139 Accession # P12524
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

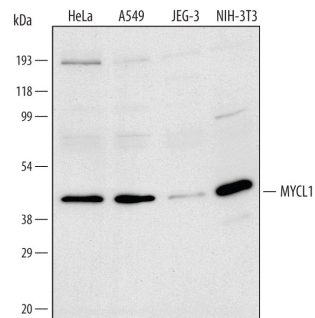
## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Western Blot</b>	1 µg/mL	See Below
<b>Immunocytochemistry</b>	5-15 µg/mL	See Below

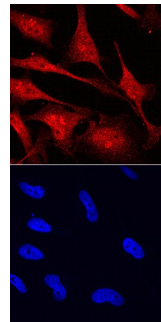
## DATA

### Western Blot



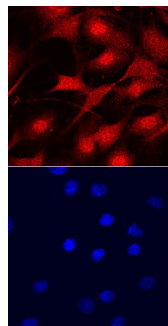
**Detection of Human/Mouse MYCL1/L-Myc by Western Blot.** Western blot shows nuclear extracts of HeLa human cervical epithelial carcinoma cell line, A549 human lung carcinoma cell line, JEG-3 human epithelial choriocarcinoma cell line, and NIH-3T3 mouse embryonic fibroblast cell line. PVDF membrane was probed with 1 µg/mL of Human/Mouse MYCL1/L-Myc Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4050) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for MYCL1/L-Myc at approximately 40 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

### Immunocytochemistry



**MYCL1/L-Myc in HeLa Human Cell Line.** MYCL1/L-Myc was detected in immersion fixed HeLa human cervical epithelial carcinoma cell line using Goat Anti-Human/Mouse MYCL1/L-Myc Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4050) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red, upper panel; Catalog # NL001) and counterstained with DAPI (blue, blue panel). Specific staining was localized to cytoplasm and nuclei. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

### Immunocytochemistry



**MYCL1/L-Myc in NIH3T3 Mouse Cell Line.** MYCL1/L-Myc was detected in immersion fixed NIH3T3 mouse embryonic fibroblast cell line using Goat Anti-Human/Mouse MYCL1/L-Myc Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4050) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red, upper panel; Catalog # NL001) and counterstained with DAPI (blue, lower panel). Specific staining was localized to cytoplasm and nuclei. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

MYCL1 is a member of the MYC family that was isolated from small cell lung carcinoma. Like the other members of the MYC family, MYCL1 is a proto-oncogene transcription factor belonging to the helix-loop-helix basic leucine zipper (HLH bzip) family. With its heterodimeric partners, MYCL1 binds to the DNA consensus site 5' CACGTG 3'. MYCL1 is implicated in controlling a wide range of cellular processes from cellular proliferation to apoptosis.