

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse c-Rel in Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse c-Rel Met1-Ile588 Accession # NP_033070
<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 either lyophilized or as a 0.2 µm filtered solution in PBS.

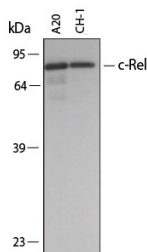
## APPLICATIONS

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.5 µg/mL	See Below
<b>Simple Western</b>	5 µg/mL	See Below

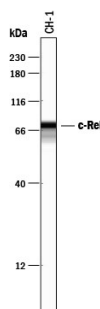
## DATA

### Western Blot



**Detection of Mouse c-Rel by Western Blot.** Western blot shows lysates of A20 mouse B cell lymphoma cell line, and CH-1 mouse B cell lymphoma cell line. PVDF membrane was probed with 0.5 µg/mL of Goat Anti-Mouse c-Rel Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2699) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for c-Rel at approximately 69 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

### Simple Western



**Detection of Mouse c-Rel by Simple Western™.** Simple Western lane view shows lysates of CH-1 mouse B cell lymphoma cell line, loaded at 0.2 mg/mL. A specific band was detected for c-Rel at approximately 71 kDa (as indicated) using 5 µg/mL of Goat Anti-Mouse c-Rel Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2699) followed by 1:50 dilution of HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS. For liquid material, refer to CoA for concentration.
<b>Shipping</b>	Lyophilized product is shipped at ambient temperature. Liquid small pack size (-SP) is shipped with polar packs. Upon receipt, store immediately at the temperature recommended below.
<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

c-Rel/Rel, the cellular counterpart of the v-Rel oncogene of the avian reticuloendotheliosis retrovirus, is a 69 kDa class II member of the Rel/NF-κB family of transcription factors. All Rel family members contain a RHD (Rel homology domain) that is involved in dimerization, DNA and IκB binding, and nuclear localization. Class II members contain an additional C-terminal transcriptional activation segment. Rel both homodimerizes and heterodimerizes with multiple family members. Following dimerization, Rel complexes initiate transcription by acting on decameric DNA motifs termed κB binding sites. The important role of c-Rel in B-cell development, growth, and survival is well documented. c-Rel is also involved in responses to auto-antigens, allo-antigens, allergens and pathogens and may contribute to the development of certain human lymphoid cell cancers.