

## DESCRIPTION

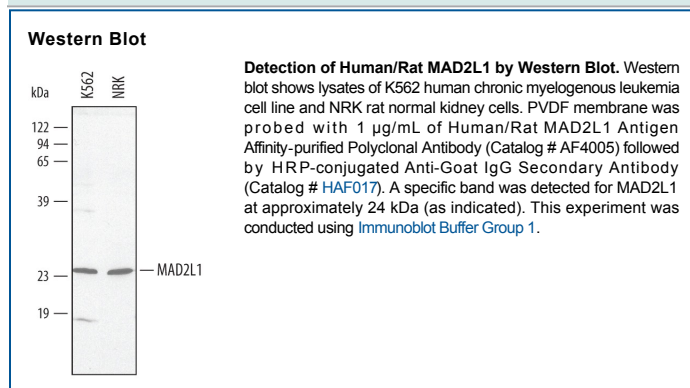
<b>Species Reactivity</b>	Human/Rat
<b>Specificity</b>	Detects human and rat MAD2L1 in Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human MAD2L1 Met1-Asp205 Accession # Q13257
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

## 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>	1 µg/mL	See Below

## DATA



## 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.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month from date of receipt, 2 to 8 °C, reconstituted.</li> <li>● 6 months from date of receipt, -20 to -70 °C, reconstituted.</li> </ul>

## BACKGROUND

MAD2L1 (Mitotic arrest deficient protein 2) is a component of the spindle-attachment checkpoint mechanism that monitors kinetochore spindle attachment and leads to the subsequent arrest in early metaphase by its recruitment to unattached kinetochores. The transition from metaphase to anaphase requires the association of the anaphase promoting complex/cyclosome (APC/C) with Cdc20 leading to the ubiquitylation and subsequent degradation of Pds1/Securin. This transition is delayed by the inhibitory association of MAD2L1 with Cdc20. MAD2L1 has also been shown to be a direct E2F target and as such is aberrantly expressed in cells with retinoblastoma pathway defects.