

**DESCRIPTION**

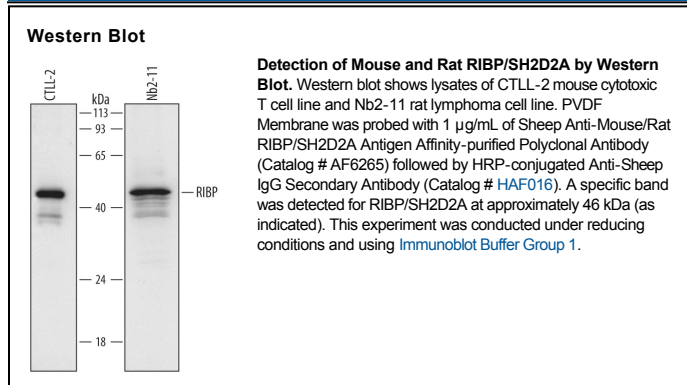
<b>Species Reactivity</b>	Mouse/Rat
<b>Specificity</b>	Detects mouse and rat RIBP/SH2D2A in Western blots.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse RIBP/SH2D2A Ile299-Ser374 Accession # Q9QXK9
<b>Formulation</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.

	<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 0.5 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**

RIBP (Rik/Itk-binding protein; also SH2D2A, LAD/Lck-associated adapter protein, MEKK2-binding protein and TSAd) is a 45-47 kDa cytoplasmic adaptor protein. It is found in B cells, thymocytes, NK cells and T cells, and appears to be necessary for TCR-initiated proliferation, plus IL-2 and IFN-γ secretion. This is likely to be a function of its association with MEKK2 near the T cell receptor interaction site. Mouse RIBP is 374 amino acids (aa) in length and contains one SH2 domain (aa 116-207), plus a Pro-rich region (aa 267-308) that contains an SH3-binding motif (aa 267-273). Phosphorylation may occur on Ser237, Ser316 and Tyr325. There is one alternative splice form termed LAD that shows a deletion of aa 254-261. Over aa 299-374, mouse RIBP shares 79% and 63% aa identity with rat and the presumed human RIBP ortholog (termed TSAd/SH2D2A), respectively.