

# Mouse/Rat RIBP/SH2D2A Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF6265

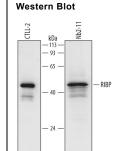
DESCRIPTION			
Species Reactivity	Mouse/Rat		
Specificity	Detects mouse and rat RIBP/SH2D2A in Western blots.		
Source	Polyclonal Sheep IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant mouse RIBP/SH2D2A Ile299-Ser374 Accession # Q9QXK9		
Formulation	Lyophilized from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

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

#### DATA



Detection of Mouse and Rat RIBP/SH2D2A by Western Blot. Western blot shows lysates of CTLL-2 mouse cytotoxic T cell line and Nb2-11 rat lymphoma cell line. PVDF Membrane was probed with 1 µg/mL of Sheep Anti-Mouse/Rat RIBP/SH2D2A Antigen Affinity-purified Polyclonal Antibody (Catalog # AF6265) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catlalog # HAF016). A specific band was detected for RIBP/SH2D2A at approximately 46 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

## PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping 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

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution

### BACKGROUNI

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- $\gamma$  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.

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