

DESCRIPTION

Species Reactivity	Mouse/Rat
Specificity	Detects mouse and rat RIBP/SH2D2A in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse RIBP/SH2D2A Ile299-Ser374 Accession # Q9QXK9
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

RIBP (Rik/Itk-binding protein; also SH2D2A, LAD/Lck-associated adapter protein, MEKK2-binding protein and TSA_d) 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 TSA_d/SH2D2A), respectively.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.