Mouse/Rat SH2D2A Alexa Fluor® 594-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF6265T
100 µg

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
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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 (Rlk/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.

PRODUCT SPECIFIC NOTICES

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