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Datasheet for 600-401-ED0

RUSC1 Antibody

Overview

Description:	Anti-RUSC1 (RABBIT) Antibody - 600-401-ED0
Item No.:	600-401-ED0
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	RUSC1, also known as NESCA, shares with the related protein RUSC2 a common domain structure of RUN, leucine zipper and SH3 domain in addition to over 30% amino acid identity. RUSC1 is an adapter protein that can bind to the TrkA receptor and is necessary in the NGF-induced neurite growth of PC12 cells. RUSC1 has also been shown to interact with IkB kinase-(IKK-) gamma, the regulatory subunit of the IKK complex that is required for NF-kB activation in many signaling pathways such as TNF-R or the TLR pathways. RUSC1 can also bind to the E3 ubiquitin ligase TRAF6, which then catalyzes RUSC1 polyubiquitination. Since overexpression of RUSC1 strongly inhibits TRAF6-mediated polyubiquitination of IKK-gamma, RUSC1 may be a link in the IKK-gamma-mediated NF-kB activation pathway.
Synonyms:	RUSC1 Antibody, NESCA, NESCA, RUN and SH3 domain-containing protein 1, New molecule containing SH3 at the carboxy-terminus, Nesca
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RUSC1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-RUSC1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide from near the C-terminus of human RUSC1.
Purity/Specificity:	Anti-RUSC1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with RUSC1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9BVN2 • GeneID - 23623 • NCBI - NP_001098673

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-RUSC1 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 96 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1 µg/mL

Formulation

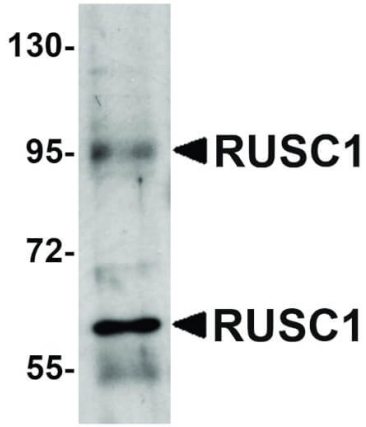
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of RUSC1 antibody. Lane 1: A20 cell lysate with RUSC1 antibody at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.
Predicted/Observed size: 96 kDa, 95 kDa for RUSC1. Other band(s): RUSC1 splice variants and isoforms.

Disclaimer

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