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Datasheet for 600-401-ED2

RUSC2 Antibody

Overview

Description:	Anti-RUSC2 (RABBIT) Antibody - 600-401-ED2
Item No.:	600-401-ED2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	RUSC2, also known as Iporin, shares with the related protein RUSC1 a common domain structure of RUN, leucine zipper and SH3 domain in addition to over 30% amino acid identity. RUSC2 is a rab1-interacting protein that also interacts with GM130, another rab1-interacting protein. RUSC2 interacts with specific rab1 isoforms with different rab-binding specificity. It has been suggested that RUSC2 may function as a link between the targeting of ER derived vesicles triggered by the rab1 GTPase and a signaling pathway composed of proteins containing SH3 and/or poly-proline regions.
Synonyms:	RUSC2 Antibody, Iporin, KIAA0375, Iporin, Interacting protein of Rab1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RUSC2
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-RUSC2 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide from near the N-terminus of human RUSC2.

Purity/Specificity:	Anti-RUSC2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms are known to exist; this antibody will detect all three isoforms. This antibody is predicted to not cross-react with RUSC1.
Relevant Links:	• UniProtKB - Q8N2Y8 • GeneID - 9853 • NCBI - NP_055621

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-RUSC2 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 161 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
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1 µg/mL

Formulation

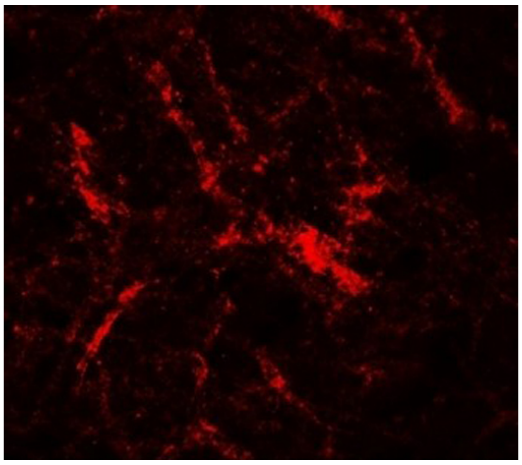
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

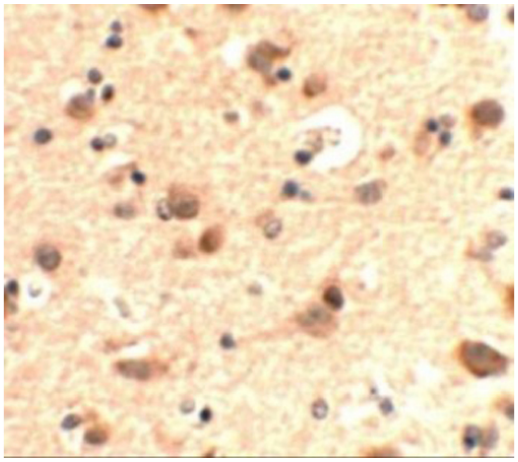
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several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

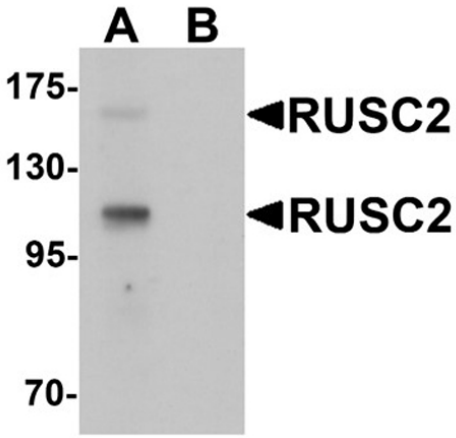
Images



Immunofluorescence Microscopy
Immunofluorescence of RUSC2.
Tissue: human brain tissue.
Primary Antibody: RUSC2 antibody at 20 µg/mL.



Immunohistochemistry
Immunohistochemistry of RUSC2.
Tissue: human brain tissue.
Primary Antibody: RUSC2 antibody at 5 µg/mL.



Western Blot
Western blot analysis of RUSC2.
Load: SK-N-SH cell lysate.
Primary Antibody: with RUSC2 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

Disclaimer

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