

Datasheet for 600-401-DV7**RAB21 Antibody****Overview**

Description:	Anti-RAB21 (RABBIT) Antibody - 600-401-DV7
Item No.:	600-401-DV7
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	RAB21 is a member of a subfamily of small GTP-binding protein genes of the Ras superfamily that plays an important role in intracellular vesicular targeting. In non-polarized Caco-2 cells, RAB21 showed a general endoplasmic reticulum (ER)-like localization, while in polarized cells, RAB21 localized to apical vesicles. RAB21 has been shown to associate with integrin subunits and to be important for receptor entry into cells via RAB5/RAB21 endosomes. The GTPase-activating protein p120RasGAP regulates cell motility by controlling the return of the endocytosed integrins to the plasma membrane by competing with RAB21 for binding to overlapping sites on the α-tail of endocytosed integrin.
Synonyms:	RAB21 Antibody, KIAA0118, Ras-related protein Rab-21
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RAB21
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-RAB21 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the C-terminus of human RAB21.

Purity/Specificity:	Anti-RAB21 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is predicted to not cross-react with other Ras-related proteins
Relevant Links:	• UniProtKB - Q9UL25 • GeneID - 23011 • NCBI - NP_055814

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-RAB21 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 24 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
WB:	1 µg/mL

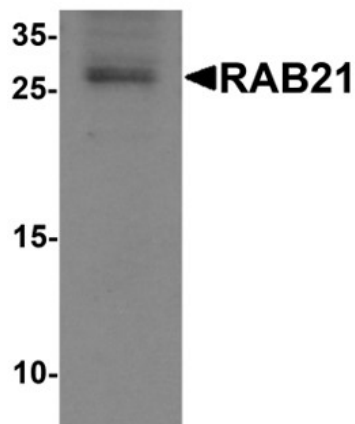
Formulation

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

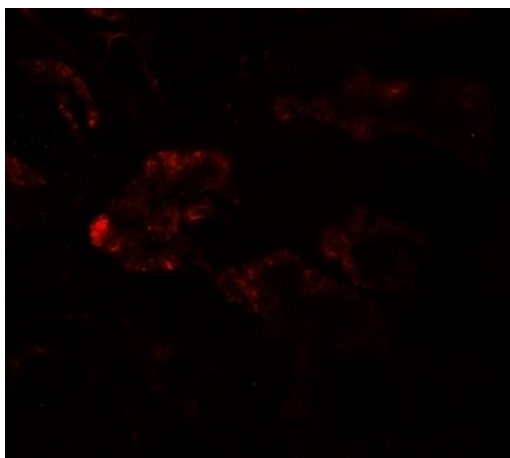


Western Blot

Western blot analysis of RAB21.

Load: mouse kidney tissue lysate.

Primary Antibody: RAB21 antibody at 1 µg/mL.



Immunofluorescence Microscopy

Immunofluorescence of RAB21.

Tissue: human kidney tissue.

Primary Antibody: RAB21 antibody at 20 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.