Datasheet for 600-401-DV8

RABEX5 Antibody

Overview

Description:	Anti-RABEX5 (RABBIT) Antibody - 600-401-DV8
Item No.:	600-401-DV8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	RABEX5 is a guanine nucleotide exchange factor (GEF) that forms a complex with rabaptin-5 and specifically activates Rab5, a small GTPase that plays an essential role in endocytic traffic. RABEX-5 is thought to also interact with another member of the Rab family, Rab22, which targets RABEX5 to early endosomes, allowing it to activate Rab5 and thereby promote Rab5-mediated endosome fusion.
Synonyms:	RABEX5 Antibody, RAP1, RABEX5, rabex-5, RAP1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RABGEF1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-RABEX5 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the internal region terminus of human RABEX5.

Purity/Specificity:	Anti-RABEX5 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least four isoforms of RABEX5 are known to exist; this antibody will recognize all four. RABEX5 antibody is predicted to not cross-react with other LRRFIP family members.
Relevant Links:	• UniProtKB - Q9UJ41 • GeneID - 27342 • NCBI - NP_055319

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-RABEX5 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 79 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

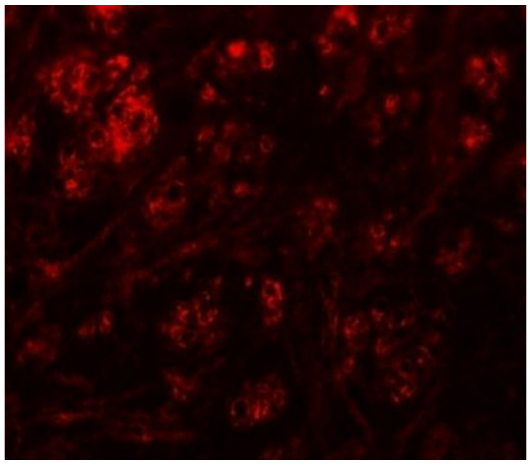
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

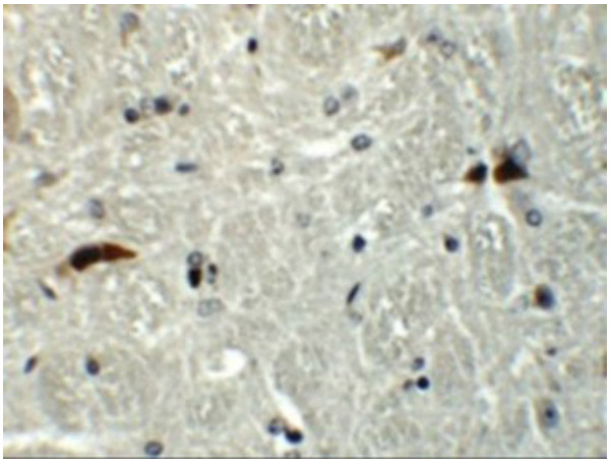
Shipping Condition:	Dry Ice

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.

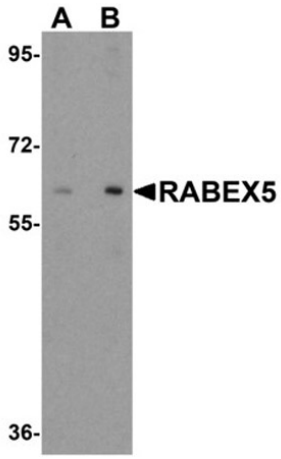
Images



Immunofluorescence Microscopy
Immunofluorescence of RABEX5.
Tissue: mouse brain tissue.
Primary Antibody: RABEX5 antibody at 20 µg/mL.



Immunohistochemistry
Immunohistochemistry of RABEX5.
Tissue: mouse brain tissue.
Primary Antibody: RABEX5 antibody at 5 µg/mL.



Western Blot
Western blot analysis of RABEX5.
Load: human liver tissue lysate.
Priamry Antibody: RABEX5 antibody at (A) 1µg/mL and (B) 2µg/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.