Datasheet for 600-401-FV9

VARP Antibody

Overview

Description:	Anti-VARP (RABBIT) Antibody - 600-401-FV9
Item No.:	600-401-FV9
Size:	100 µg
Applications:	ELISA, IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The VPS9 ankyrin repeat protein (VARP) binds to the Rab21, a guanine nucleotide exchange factor that plays an essential role in endocytic trafficking. VARP localizes to early endosomes and is thought to regulate endosome dynamics. VARP also interacts with TI-VAMP/VAMP7, a vesicular SNARE that mediates an exocytic pathway that is crucial to neurite growth. Depletion of VARP by RNA interference impairs neurite growth, suggesting that VARP is a positive regulator of neurite growth.
Synonyms:	VARP Antibody, VARP, PP12899, Ankyrin repeat domain-containing protein 27, VPS9 domain-containing protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ANKRD27
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-VARP antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the internal region of human VARP.

Purity/Specificity:	Anti-VARP Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with VARP from other sources has not been determined.
Relevant Links:	• UniProtKB - Q96NW4 • GeneID - 84079 • NCBI - NP_115515.2

Application Details

Tested Applications:	ELISA, IHC
Application Note:	Anti-VARP Antibody has been tested for use in ELISA and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 117 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:	User Optimized
IHC:	5 µg/mL

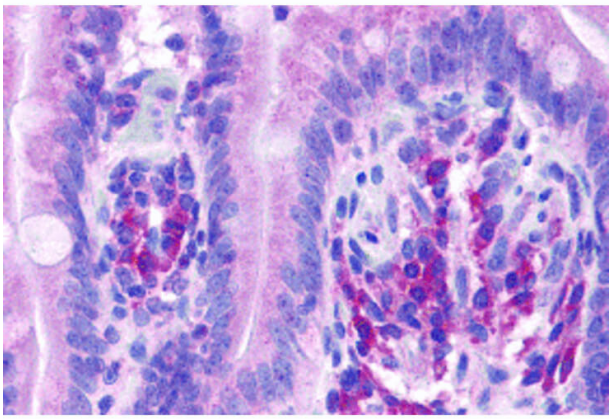
Formulation

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



Immunohistochemistry
Immunohistochemistry of VARP antibody. Tissue: Human small intestine. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: VARP antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: VARP is a multi-pass membrane protein. Staining: VARP as precipitated pink signal with blue nuclear counterstain.

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