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Datasheet for 600-401-BB4

EPM2A Antibody

Overview

Description:	Anti-EPM2A (RABBIT) Antibody - 600-401-BB4
Item No.:	600-401-BB4
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Epilepsy, progressive myoclonus type 2A protein (EPM2A) is a dual-specificity phosphatase that associates with polyribosomes. Mutations in this gene have been associated with myoclonic epilepsy of Lafora. EPM2A interacts with a number of proteins known to be involved in glycogen metabolism and has been shown to have robust phosphatase activity against a phosphorylated complex carbohydrate, suggesting that EPM2A may be involved in the regulation of glycogen metabolism.
Synonyms:	EPM2A Antibody, EPM2, MELF, Laforin, Lafora PTPase, LAFPTPase
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	EPM2A
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-EPM2A antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the C-terminus of human EPM2A.

Purity/Specificity:	Anti-EPM2A Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least four isoforms of EPM2A are known to exist; this antibody will detect all but the shortest isoform.
Relevant Links:	• UniProtKB - O95278 • GeneID - 7957 • NCBI - NP_005661

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-EPM2A Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 37 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 - 1:20,000
IF:	User Optimized
WB:	1-2 µg/mL

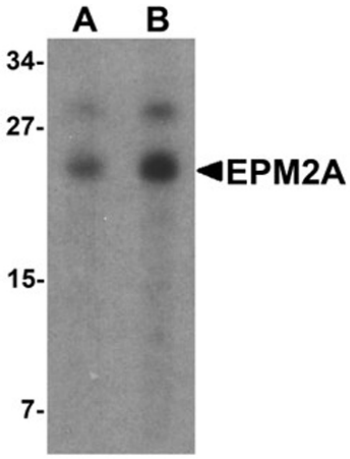
Formulation

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

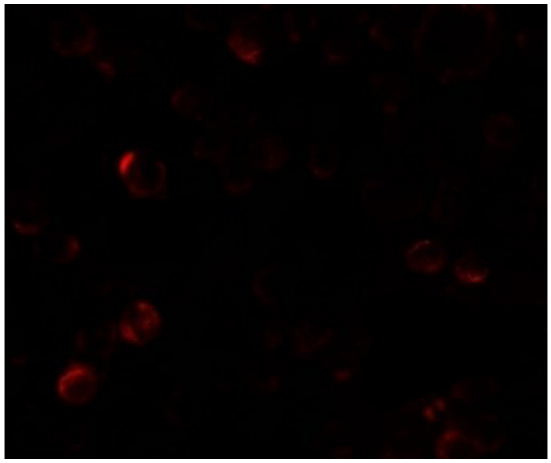
Shipping & Handling

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.

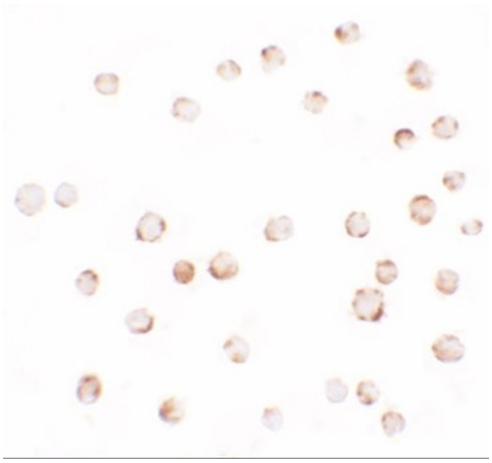
Images



Western Blot
Western blot analysis of EPM2A.
Load: SW480 cell lysate.
Primary Antibody: EPM2A antibody at (A) 1 and (B) 2 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence of EPM2A.
Tissue: SW480 cells.
Primary Antibody: EPM2A antibody at 5 µg/ml.



Immunocytochemistry
Immunocytochemistry of EPM2A.
Cell: SW480 cells.
Primary Antibody: EPM2A antibody at 2.5 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.