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Datasheet for ABIN7157845 anti-EPM2A antibody (AA 244-331)

2 Images



Overview

Quantity:	100 μL
Target:	EPM2A
Binding Specificity:	AA 244-331
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPM2A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Laforin protein (244-331AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	EPM2A
Alternative Name:	EPM2A (EPM2A Products)
Background:	Background: Has both dual-specificity protein phosphatase and glucan phosphatase activities.
	Together with the E3 ubiquitin ligase NHLRC1/malin, appears to be involved in the clearance of

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Storage:

toxic polyglucosan and protein aggregates via multiple pathways. Dephosphorylates
phosphotyrosine, phosphoserine and phosphothreonine substrates in vitro. Has also been
shown to dephosphorylate MAPT. Shows strong phosphatase activity towards complex
carbohydrates in vitro, avoiding glycogen hyperphosphorylation which is associated with
reduced branching and formation of insoluble aggregates. Forms a complex with
NHLRC1/malin and HSP70, which suppresses the cellular toxicity of misfolded proteins by
promoting their degradation through the ubiquitin-proteasome system (UPS). Acts as a scaffold
protein to facilitate PPP1R3C/PTG ubiquitination by NHLRC1/malin. Also promotes
proteasome-independent protein degradation through the macroautophagy pathway. Isoform
2, an inactive phosphatase, could function as a dominant-negative regulator for the
phosphatase activity of isoform 1.

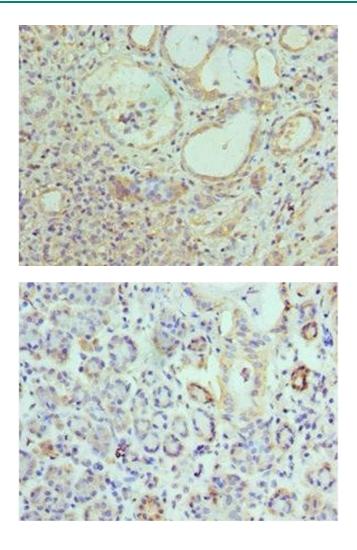
Aliases: Epilepsy progressive myoclonus type 2 Lafora disease (laforin) antibody, Epilepsy progressive myoclonus type 2A Lafora disease (laforin) antibody, EPM2 antibody, Epm2a antibody, Epm2a gene antibody, EPM2A_HUMAN antibody, Lafora PTPase antibody, Laforin antibody, LAFPTPase antibody, LD antibody, LDE antibody, MELF antibody, RP3-466P17.2 antibody

095278
Cellular Glucan Metabolic Process
Recommended dilution: IHC:1:20-1:200,
For Research Use only
Liquid
PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Sodium azide
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

-20 °C,-80 °C

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Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7157845 at dilution of 1:100

Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human salivary gland tissue using ABIN7157845 at dilution of 1:100

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