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Datasheet for ABIN335145 anti-EPM2A antibody (Internal Region)

Image



Overview

Quantity:	100 µg
Target:	EPM2A
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This EPM2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Laforin (isoform a)
Immunogen:	Peptide with sequence C-EATGHTNEMKHTTD, from the internal region of the protein sequence according to NP_005661.1.
Sequence:	EATGHTNEMK HTTD
Isotype:	lgG
Specificity:	This antibody is expected to recognize isoform a (NP_005661.1) only.
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

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Target Details

Target:	EPM2A
Alternative Name:	EPM2A (EPM2A Products)
Background:	Epilepsy, progressive myoclonus type 2, Lafora disease (laforin), laforin, EPM2A, epilepsy, progressive myoclonus type 2A, Lafora disease (laforin), EPM2, MELF
Gene ID:	7957, 13853, 680683
NCBI Accession:	NP_005661
Pathways:	Cellular Glucan Metabolic Process

Application Details

Restrictions:	For Research Use only
	Peptide ELISA: antibody detection limit dilution 1:16000.
	Primary incubation was 1 hour.
	MW of 37.2 kDa according to NP_005661.1). Recommended concentration: 0.1-0.3 $\mu g/mL$
	Western Blot: Approx. 38 kDa band observed in Human Brain (Cerebellum) lysates (calculated
	Recommended concentration: 2.5 µg/mL.
Application Notes:	Immunohistochemistry: Paraffin embedded Human Brain (Cerebellum) and Heart.

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

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250kDa 150kDa	Western Blotting
100kDa 75kDa	Image 1. ABIN335145 (0.1µg/ml) staining of Human
50kDa	Cerebellum lysate (35µg protein in RIPA buffer). Detected by
37kDa	chemiluminescence.
25kDa	
20kDa	
15kDa	

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