

Datasheet for ABIN6991748
anti-EPM2A antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	EPM2A
Binding Specificity:	AA 190-240, C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPM2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	EPM2A antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human EPM2A. The immunogen is located within amino acids 190 - 240 of EPM2A.
Isotype:	IgG
Specificity:	At least four isoforms of EPM2A are known to exist, this antibody will detect all but the shortest isoform.
Purification:	EPM2A Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	EPM2A
Alternative Name:	EPM2A (EPM2A Products)

Target Details

Background:	EPM2A Antibody: 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.
Molecular Weight:	36 kDa
Gene ID:	7957
NCBI Accession:	NP_005661
UniProt:	O95278
Pathways:	Cellular Glucan Metabolic Process

Application Details

Application Notes:	EPM2A antibody can be used for detection of EPM2A by Western blot at 1 - 2 µg/mL. Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	EPM2A Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	EPM2A antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.