Datasheet for ABIN1108708

anti-PPP1CA antibody (Catalytic Subunit)

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Overview

Quantity:	0.1 mg
Target:	PPP1CA
Binding Specificity:	Catalytic Subunit
Reactivity:	Human, Mouse, Rat, Rabbit
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PPP1CA antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant rabbit protein phosphatase 1alpha (PP1alpha) catalytic subunit
Clone:	PP-1A
Isotype:	IgG2b
Specificity:	This antibody reacts to PPP1CA.
Purification:	Affinity chromatography

Target Details

Target:	PPP1CA
Alternative Name:	PPP1CA (PPP1CA Products)
Background:	Protein phosphatase 1 alpha(PP1A)is one of four major serine/threonine-specific protein

Target Details

	phosphatases which have been identified in eukaryotic cells by enzymatic methods. Phosphorylation of serine and threonine residues in proteins is a crucial step in the regulation of many cellular functions ranging from hormonal regulation to cell division and even short-term memory. Protein phosphatase-1 determined the efficacy of learning and memory by limiting acquisition and favoring memory decline. PPP1A gene is mapped to 11q13. Protein phosphatase 1 is a molecular constraint on learning and memory.Synonyms: PP-1A, PPP1A, Serine/threonine-protein phosphatase PP1-alpha catalytic subunit
Gene ID:	100009298
NCBI Accession:	NP_001095176
UniProt:	P62139
Pathways:	M Phase, Cellular Glucan Metabolic Process, Regulation of Carbohydrate Metabolic Process, Lipid Metabolism

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Reconstitution:	Restore with 1.2 % sodium acetate or neutral PBS
Concentration:	0,1 mg/mL
Buffer:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative.
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:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Prior to reconstitution store at -20 °C. Following reconstitution store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.