Datasheet for ABIN7454526

anti-PPP1CA antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	PPP1CA
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP1CA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Rabbit anti-PPP1CA Antibody, Affinity Purified
Immunogen:	between AA 280 and C-term
Isotype:	IgG
Predicted Reactivity:	Rat,Bovine,Dog,Rabbit
Purification:	Affinity Purified

Target Details

Target:	PPP1CA
Alternative Name:	PPP1CA (PPP1CA Products)

Target Details

Background:	Background: Protein phosphatase 1 (PP1) is a major eukaryotic serine/threonine phosphatase that is involved in a multitude of cellular functions. PP1 is a holoenzyme that consists of the PP1 catalytic subunit (PP1c) that associates with and is regulated by over 50 regulatory subunits. There are several gene and alternative splice products of the catalytic subunit PP1c. PPP1CA encodes the PP1 alpha catalytic subunit. In addition to PP1 alpha, there is PP1 beta (PPP1CB), and two splice variants of PP1 gamma (PPP1CC). The mutually exclusive interaction between the various catalytic and regulatory subunits allows the PP1 enzyme to be involved in a variety of functions which include cell division, glycogen metabolism, muscle contractility, and protein synthesis. serine/threonine-protein phosphatase PP1-alpha catalytic subunit, PPP1A, PP-1A, MGC1674, MGC15877.
Gene ID:	5499
NCBI Accession:	NP_002699
UniProt:	P62136
Pathways:	M Phase, Cellular Glucan Metabolic Process, Regulation of Carbohydrate Metabolic Process, Lipid Metabolism

Application Details

Application Notes:	IHC: 1:500 to 1:2,000. Epitope retrieval with Tris-EDTA pH 9.0 is recommended for FFPE tissue sections. IP: Not recommended. Efficiency at IP is very low. WB: 1:2,000 - 1:10,000
Restrictions:	For Research Use only

Handling

Concentration:	1000 µg/mL
Buffer:	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % 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:	4 °C
Expiry Date:	12 months