

Datasheet for ABIN3023151
anti-PPP1CA antibody



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3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	PPP1CA
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP1CA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein of human PPP1CA
Isotype:	IgG
Purification:	Affinity purification

Target Details

Target:	PPP1CA
Alternative Name:	PPP1CA (PPP1CA Products)
Background:	Type 1 protein phosphatase (PP1), a serine/threonine phosphatase, is highly conserved in eukaryotic cells. Four isoforms of PP1 have been characterized: PP1alpha, PP1delta, PP1gamma1 and PP1gamma2. Involvement in cell cycle regulation is one of the biological functions of PP1. It has been illustrated that PP1 dephosphorylates Rb and cdc25 during mitosis. A cell cycle-dependent phosphorylation at Thr320 of PP1alpha by cdc2 kinase inhibits

Target Details

	PP1alpha activity. Synonyms: PPP1CA, MGC15877, MGC1674, PP-1A, PP1alpha, PPP1A
Gene ID:	5499
UniProt:	P62136
Pathways:	M Phase , Cellular Glucan Metabolic Process , Regulation of Carbohydrate Metabolic Process , Lipid Metabolism

Application Details

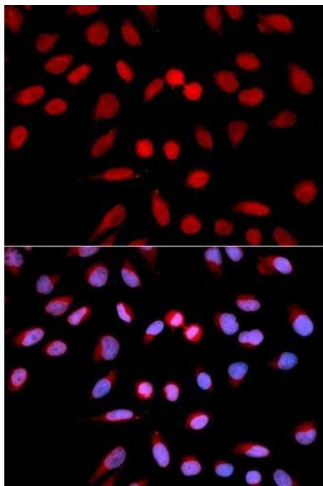
Application Notes:	Recommended dilutions: WB: 1:500-1:2000, IHC: 1:50-1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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 freeze / thaw cycles
Storage:	-20 °C/-80 °C

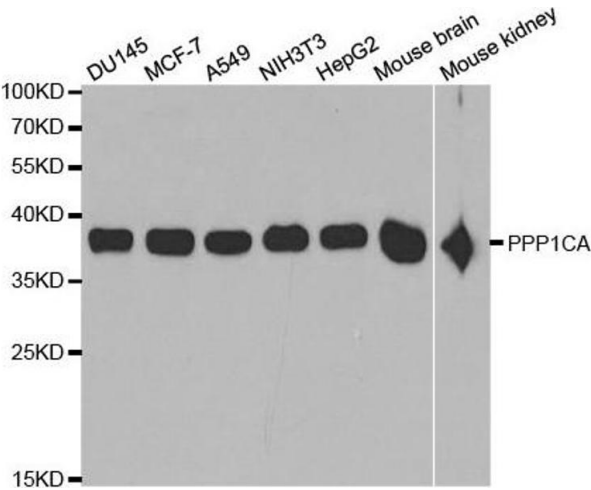
Publications

Product cited in:	Wu, Zhang, Peirats-Llobet, Belda-Palazon, Wang, Cui, Yu, Rodriguez, An: "Ubiquitin Ligases RGLG1 and RGLG5 Regulate Absciscic Acid Signaling by Controlling the Turnover of Phosphatase PP2CA." in: The Plant cell , Vol. 28, Issue 9, pp. 2178-2196, (2016) (PubMed).
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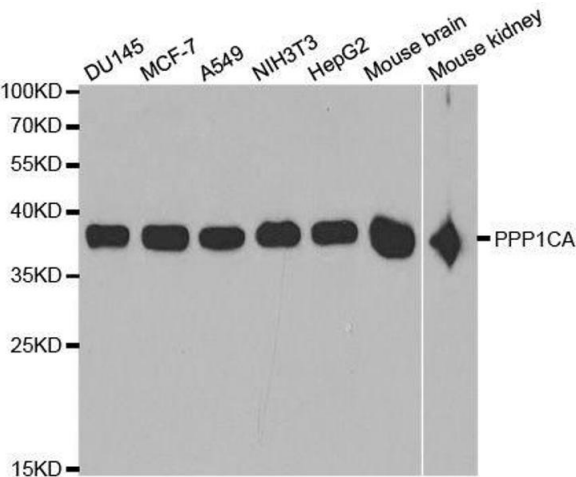
Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using PPP1CA antibody.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PPP1CA antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using PPP1CA antibody.