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Datasheet for ABIN711761 **anti-PPM1A antibody (pSer375)**

Overview

Quantity:	100 µL
Target:	PPM1A
Binding Specificity:	pSer375
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPM1A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PPM1A around the phosphorylation site of Ser375
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Dog,Cow,Sheep,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	PPM1A
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Target Details

Alternative Name:	PPM1A (PPM1A Products)
Background:	<p>Synonyms: PPM1Aphospho S375, Mpp alpha, PP2C alpha, PP2C-alpha, PP2CA, PPM 1A, PPM1A, PPM1A_HUMAN, PPPM1A, Protein phosphatase 1A formerly 2C magnesium dependent alpha isoform, Protein phosphatase 1A, Protein phosphatase 1A magnesium dependent alpha, Protein phosphatase 2C alpha, Protein phosphatase 2C alpha isoform, Protein phosphatase 2C isoform alpha, Protein phosphatase 1A, Protein phosphatase 2C isoform alpha, 1A antibody.</p> <p>Background: The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase dephosphorylates, and negatively regulates the activities of, MAP kinases and MAP kinase kinases. It has been shown to inhibit the activation of p38 and JNK kinase cascades induced by environmental stresses. This phosphatase can also dephosphorylate cyclin-dependent kinases, and thus may be involved in cell cycle control. Overexpression of this phosphatase is reported to activate the expression of the tumor suppressor gene TP53/p53, which leads to G2/M cell cycle arrest and apoptosis. Three alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008].</p>
Gene ID:	5494

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months