

Datasheet for ABIN6146053
anti-PPP1CA antibody (AA 1-330)

5 Images

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Overview

Quantity:	100 µL
Target:	PPP1CA
Binding Specificity:	AA 1-330
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP1CA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-330 of human PPP1CA (NP_002699.1).
Sequence:	MSDSEKLNLD SIIGRLLEVQ GSRPGKNVQL TENEIRGLCL KSREIFLSQP ILLELEAPLK ICGDIHGQYY DLLRLFYEGG FPPESNLYFL GDYVDRGKQS LETICLLAY KIKYPENFFL LRGNHECASI NRIYGFYDEC KRRYNIKLWK TFTDCFNCLP IAAIVDEKIF CCHGGLSPDL QSMEQIRRM RPTDVPDQGL LCDLLWSDPD KDVQGWGEND RGVSTFTGAE VVAKFLHKHD LDLICRAHQV VEDGYEFFAK RQLVTLFSAP NYCGEFDNAG AMMSVDETLN CSFQILKPAD KNKGKYGQFS GLNPGGRPIT PPRNSAKAKK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PPP1CA
Alternative Name:	PPP1CA (PPP1CA Products)
Background:	<p>The protein encoded by this gene is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Increased PP1 activity has been observed in the end stage of heart failure. Studies in both human and mice suggest that PP1 is an important regulator of cardiac function. Mouse studies also suggest that PP1 functions as a suppressor of learning and memory. Three alternatively spliced transcript variants encoding different isoforms have been found for this gene.,PPP1CA,PP-1A,PP1A,PP1alpha,PPP1A,Epigenetics & Nuclear Signaling,Chromatin Modifying Enzymes,Dephosphorylation,Translation Control,Regulation of eIF2,Cancer,Signal Transduction,G protein signaling,Kinase,Serine/threonine kinases,MAPK-Erk Signaling Pathway,Endocrine & Metabolism,Lipid Metabolism,Insulin Receptor Signaling Pathway,Neuroscience,Neurodegenerative Diseases,Dopamine Signaling in Parkinson's Disease,PPP1CA</p>
Molecular Weight:	32 kDa/37 kDa/38 kDa
Gene ID:	5499
UniProt:	P62136
Pathways:	M Phase , Cellular Glucan Metabolic Process , Regulation of Carbohydrate Metabolic Process , Lipid Metabolism

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

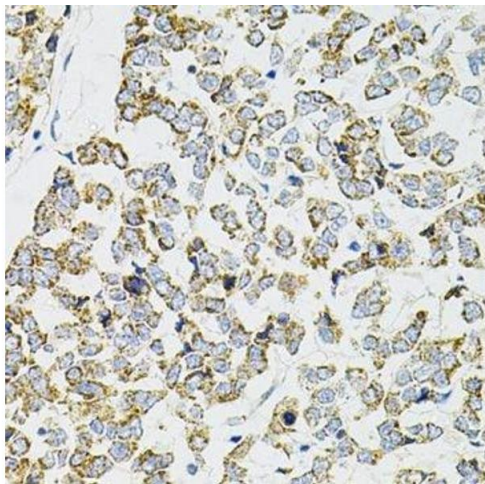
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide

Handling

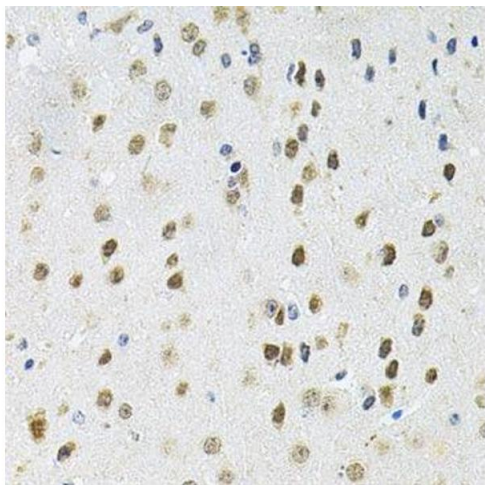
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



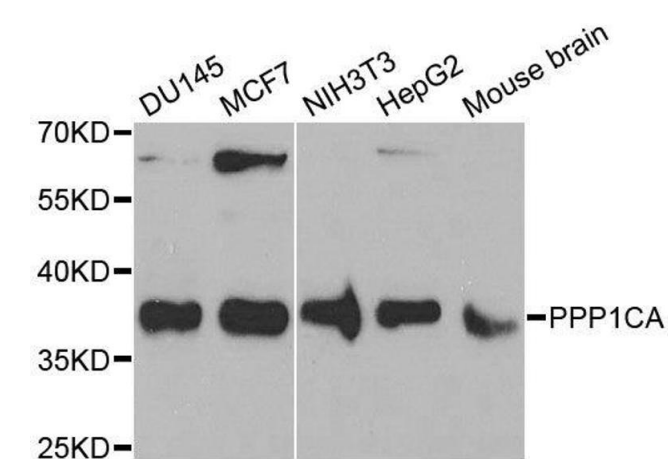
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded human esophageal cancer using PPP1CA antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded mouse brain using PPP1CA antibody.



Western Blotting

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

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6146053.