

ARG43381 anti-PPP2R1A antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PPP2R1A
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PPP2R1A
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-270 of Human PPP2R1A (NP_055040.2).
Conjugation	Un-conjugated
Alternate Names	Medium tumor antigen-associated 61 kDa protein; PP2A subunit A isoform R1-alpha; PP2A-Aalpha; PR65A; PP2A subunit A isoform PR65-alpha; Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform; MRD36; PP2AAALPHA

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MCF7	
Observed Size	~ 63 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

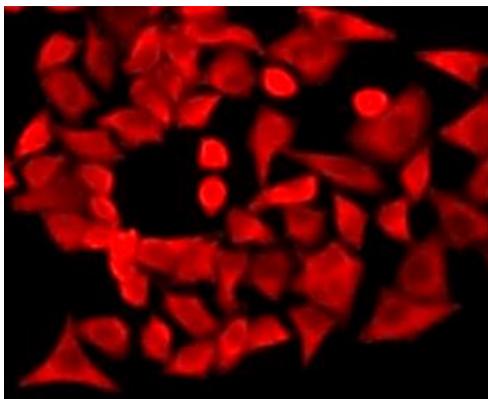
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

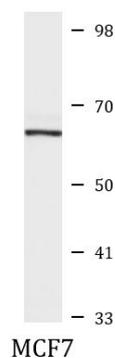
Gene Symbol	PPP2R1A
Gene Full Name	protein phosphatase 2, regulatory subunit A, alpha
Background	This gene encodes a constant regulatory subunit of protein phosphatase 2. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. This gene encodes an alpha isoform of the constant regulatory subunit A. Alternatively spliced transcript variants have been described. [provided by RefSeq, Apr 2010]
Function	The PR65 subunit of protein phosphatase 2A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. Upon interaction with GNA12 promotes dephosphorylation of microtubule associated protein TAU/MAPT (PubMed:15525651). Required for proper chromosome segregation and for centromeric localization of SGO1 in mitosis (PubMed:16580887). [UniProt]
Calculated Mw	65 kDa
Cellular Localization	Cytoplasm. Chromosome, centromere. Lateral cell membrane. Cell projection, dendrite. Note=Centromeric localization requires the presence of BUB1. [UniProt]

Images



ARG43381 anti-PPP2R1A antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG43381 anti-PPP2R1A antibody.



ARG43381 anti-PPP2R1A antibody WB image

Western blot: 25 µg of MCF7 cell lysate stained with ARG43381 anti-PPP2R1A antibody at 1:500 dilution.