

ARG45590 anti-PPM1E antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PPM1E
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PPM1E
Species	Human
Immunogen	Recombinant protein containing to human PPM1E.
Conjugation	Un-conjugated
Alternate Names	PPM1E; Protein Phosphatase, Mg2+/Mn2+ Dependent 1E; CaMKP-N; POPX1; Partner Of PIX 1; KIAA1072; PP2CH; Ca(2+)/Calmodulin-Dependent Protein Kinase Phosphatase N; Nuclear Calmodulin-Dependent Protein Kinase Phosphatase; Protein Phosphatase 1E (PP2C Domain Containing); Protein Phosphatase 1E; Partner Of PIX-Alpha; Partner Of PIXA; CaMKP-Nucleus; CaMKN; Protein Phosphatase, Mg2+/Mn2+ Dependent, 1E; EC 3.1.3.16; CAMKPN; CAMKN

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	2 µg/ml
	IHC-P	0.5-1 µg/ml
	WB	0.1-0.25 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	84 kDa	

Properties

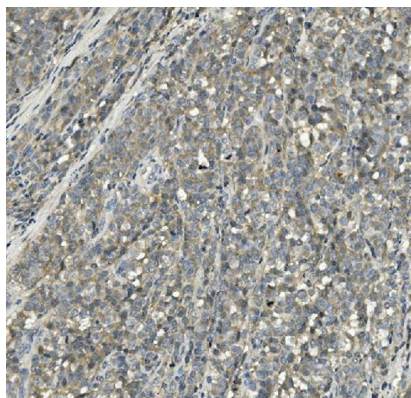
Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose

Concentration	0.5 mg/ml
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 or below. 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

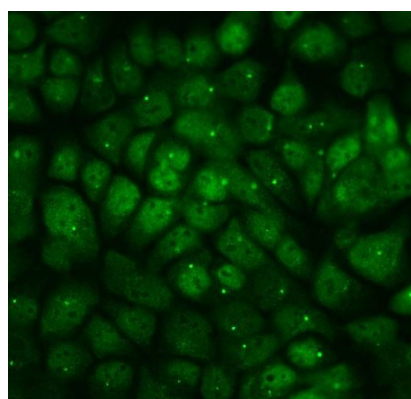
Gene Symbol	PPM1E
Gene Full Name	Protein Phosphatase, Mg2+/Mn2+ Dependent 1E
Background	This gene encodes a member of the PPM family of serine/threonine-protein phosphatases. The encoded protein is localized to the nucleus and dephosphorylates and inactivates multiple substrates including serine/threonine-protein kinase PAK 1, 5'-AMP-activated protein kinase (AMPK) and the multifunctional calcium/calmodulin-dependent protein kinases. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, May 2012]
Function	Protein phosphatase that inactivates multifunctional CaM kinases such as CAMK4 and CAMK2 (By similarity). Dephosphorylates and inactivates PAK. May play a role in the inhibition of actin fiber stress breakdown and in morphological changes driven by TNK2/CDC42. Dephosphorylates PRKAA2. [UniProt]
Calculated Mw	84 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Cytoplasm; Nucleus. [UniProt]

Images



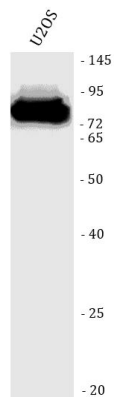
ARG45590 anti-PPM1E antibody IHC-P image

Immunohistochemistry: Human melanoma stained with ARG45590 anti-PPM1E antibody at 1 µg/ml dilution.



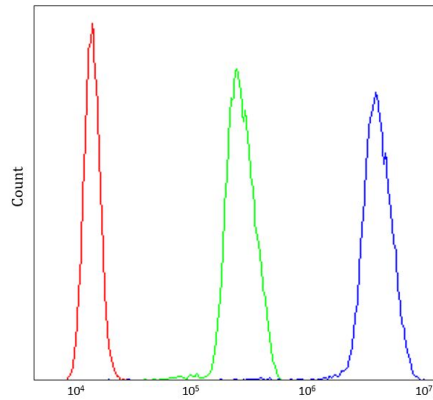
ARG45590 anti-PPM1E antibody ICC/IF image

Immunofluorescence: A431 stained with ARG45590 anti-PPM1E antibody at 2 µg/ml dilution.



ARG45590 anti-PPM1E antibody WB image

Western blot: U2OS stained with ARG45590 anti-PPM1E antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG45590 anti-PPM1E antibody FACS image

Flow Cytometry: K562 stained with ARG45590 anti-PPM1E antibody at 1 $\mu\text{g}/10^6$ cells dilution.