

Product name:	PPM1E Rabbit Polyclonal Antibody
Cat number:	ABN16419
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from human protein . at AA range: 460-540
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight:	84kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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],catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,cofactor:Binds 2 magnesium or manganese ions per subunit.,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.,similarity:Belongs to the PP2C family.,similarity:Contains 1 PP2C-like domain.,subcellular location:A truncated form, major form, with the C-terminal part missing, is mostly found in the cytoplasm and a little in the nucleus. The full length, minor form, is found in the nucleus.,subunit:Heterotrimer. Interacts with PAX1 and ARHGEF6 (or ARHGEF7),.