

Product datasheet for **AM09028PU-N**

PPM1G Mouse Monoclonal Antibody [Clone ID: k1G6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	k1G6
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western blot (1:1,000 - 1:2,000). Immunohistochemistry on paraffin sections (1:50 - 1:100).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human PPM1G (317-546 aa) purified from E. coli
Specificity:	The antibody recognizes human PPM1G. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1G
Database Link:	Entrez Gene 5496 Human O15355

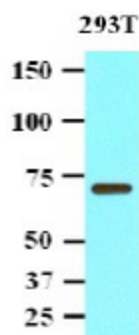


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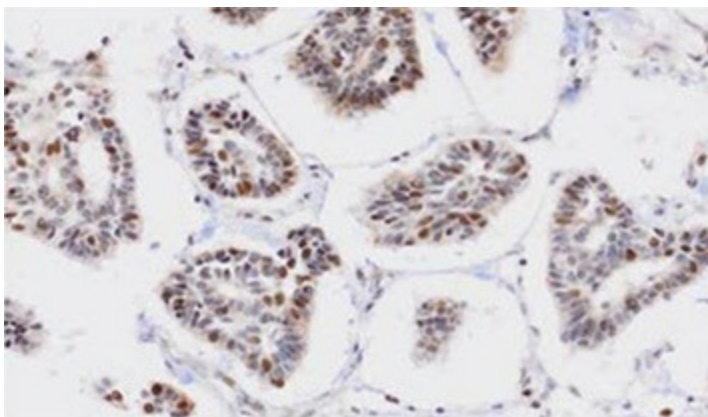
Background: PPM1G (Protein phosphatase 1G) is a member of the PP2C family of Serine/threonine protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. The human Ser/Thr phosphatase PPM1G promotes spliceosome assembly. This phosphatase is found to be responsible for the dephosphorylation of Pre-mRNA splicing factors, which is important for the formation of functional spliceosome.

Synonyms: Protein phosphatase 2C isoform gamma, Protein phosphatase 1C, PPM1C, PP2C-gamma

Product images:



Western blot analysis: Cell lysates of 293T (20 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PPM1G (1:1,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Paraffin embedded sections of human breast cancer tissue were incubated with anti-human PPM1G (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1 M sodium citrate buffer and detected using Diaminobenzidine (DAB).