

## 32-6012: Mouse Anti Human Protein Phosphatase 1G(Clone:Pk1G6AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	Pk1G6AT.
<b>Application :</b>	ELISA,WB ,IHC
<b>Gene :</b>	PPM1G
<b>Gene ID :</b>	5496
<b>Uniprot ID :</b>	O15355
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Protein Phosphatase 1G,PP2CG,PPP2CG,MGC1675,MGC2870,PP2C GAMMA,EC 3.1.3.16,Protein phosphatase 2C isoform gamma,PP2C-gamma,Protein phosphatase magnesium-dependent 1 gamma,Protein phosphatase 1C,PPM1G,PPM1C.
<b>Isotype :</b>	Mouse IgG1 heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human PPM1G mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human PPM1G amino acids 317-546 purified from E. coli.

### Description

PPM1G is part of the PP2C family of Ser/Thr protein phosphatases which are known to be negative regulators of cell stress response pathways. PPM1G is accountable for the dephosphorylation of Pre-mRNA splicing factors, an important factor for the formation of functional spliceosome. PPM1G regulates cell cycle progression. PPM1G mediates histone dephosphorylation/exchange in response to DNA damage or checkpoint recovery in higher eukaryotes. The degradation of p21/WAF1 induced by PPM1G is mediated in a proteasome-dependent manner. Protein phosphatase 1G regulates assembly and function of the beta-catenin degradation complex.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	PPM1G antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

### Application Note

PPM1G antibody has been tested by ELISA, Western blot and immunohistochemistry analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot is 1:1,000~1:2,000 and immunohistochemistry analysis is 1:50~100. Recommended starting dilution for Western blot is 1:1,000 and Immunohistochemistry is 1:50.