

## 32-6002: Mouse Anti Human PIN1(Clone:P3G8AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	P3G8AT.
<b>Application :</b>	ELISA,WB
<b>Gene :</b>	PIN1
<b>Gene ID :</b>	5300
<b>Uniprot ID :</b>	Q13526
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1,EC 5.2.1.8, Rotamase Pin1, PPlase Pin1, DOD, UBL5, PIN1, PPlase.
<b>Isotype :</b>	Mouse IgG1 heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human PIN1 mAb is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with recombinant human PIN1 amino acids 1-163 purified from E. coli.

### Description

Human Pin 1 is a peptidyl-prolyl cis/trans isomerase (PPlase) that interacts with NIMA and essential for cell cycle regulation. Pin1 is nuclear PPlase containing a WW protein interaction domain, and is structurally and functionally related to Ess1/Ptf1, an essential protein in budding yeast. PPlase activity is necessary for Ess1/Pin1 function in yeast. Pin1 is thus an essential PPlase that regulates mitosis presumably by interacting with NIMA and attenuating its mitosis-promoting activity. Substrates of Pin1 include the mitotic regulators (Cdc25 phosphatase and NIMA, PLK I, Wee, and Myt1 kinases), several transcription factors like  $\beta$ -Catenin, c-Jun, and the tumor suppressor protein p53, and some specific proteins like the RNA Pol II, the cytoskeleton protein tau, and the G1/S protein Cyclin D1.

### Product Info

<b>Amount :</b>	20 $\mu$ g
<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

PIN1 antibody has been tested by ELISA and Western blot 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 analysis is 1:500 ~ 1,000. Recommended starting dilution is 1:500.