

Product datasheet for **AP55912PU-S**

PIN1 pSer16 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1:500~1:1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of serine16(R-M-S(p)-R-S) derived from Human Pin1 (KLH-conjugated)
Specificity:	The antibody detects endogenous level of Pin1 only when phosphorylated at serine 16.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	18 kDa
Gene Name:	peptidylprolyl cis/trans isomerase, NIMA-interacting 1
Database Link:	Entrez Gene 5300 Human Q13526



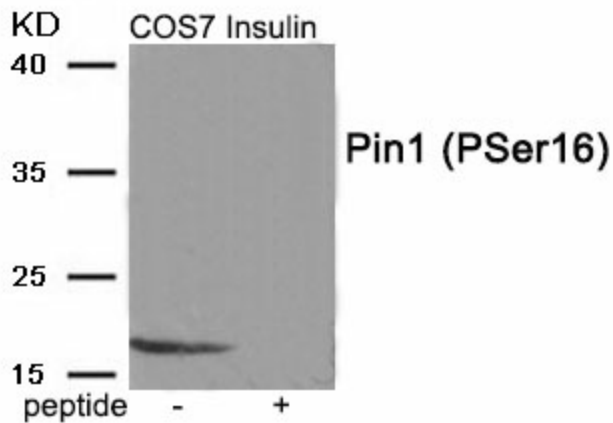
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Background:

Essential PPlase that regulates mitosis presumably by interacting with NIMA and attenuating its mitosis-promoting activity. Displays a preference for an acidic residue N-terminal to the isomerized proline bond. Catalyzes pSer/Thr-Pro cis/trans isomerizations. Down-regulates kinase activity of BTK. Can transactivate multiple oncogenes and induce centrosome amplification, chromosome instability and cell transformation. Required for the efficient dephosphorylation and recycling of RAF1 after mitogen activation. Binds and targets PML and BCL6 for degradation in a phosphorylation-dependent manner.

Synonyms:

PIN-1

Product images:

Western blot analysis of extracts from COS7 cells treated with Insulin using Phospho-Pin1 (Ser16) Antibody. The lane on the right is treated with the antigen-specific peptide.