

Product datasheet for **AP01655PU-N**

p27 KIP 1 (CDKN1B) pSer10 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1/10000-1/20000. Western Blot: 1/500-1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of p27Kip1 pSer10 protein.
Formulation:	Phosphate buffered saline (PBS), pH~7.2 containing 15 mM Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	cyclin-dependent kinase inhibitor 1B
Database Link:	Entrez Gene 1027 Human P46527

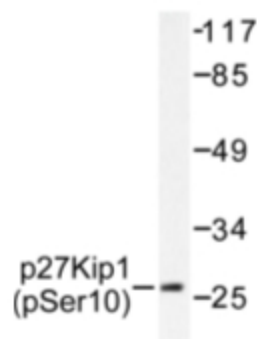


Background:

p27 associates with cyclin and cyclin-dependent kinase complexes to inhibit their kinase activity and contribute to the control of cell proliferation. p27 is phosphorylated on many sites, including threonine 187, in vivo, with the predominant phosphorylation site being serine 10. The extent of serine 10 phosphorylation by proline-directed kinase is markedly increased in cells in the G(0)-G(1) phase of the cell cycle compared to cells in the S or M phase. p27 concentration is regulated predominantly by post-translational mechanisms. p27 is degraded by both the ubiquitin-proteasome pathway and ubiquitin-independent proteolysis. Regulation of ubiquitin-mediated proteolysis is often achieved through ubiquitination of the targeted phosphorylated protein, which renders it more susceptible to degradation.

Synonyms:

p27Kip1

Product images:

Western blot (WB) analysis of p27Kip1 pSer10 antibody in extracts from COLO205 cells.