

Product datasheet for **AP02674PU-S**

p27 KIP 1 (CDKN1B) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human p27Kip1 around the phosphorylation site of serine 10 (N-G-Sp-P-S).
Specificity:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This antibody detects endogenous levels of total p27Kip1 protein.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide as preservative and 50% Glycerol as stabilizer. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. 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



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Background:

p27 is a cyclin dependent kinase inhibitor (CKI) which controls G1/S phase transition in the cell cycle. p27 prevents cell cycle progression by inhibiting the activity of cyclin E-Cdk2 and cyclin D-Cdk4/6, thus preventing E2F activation and S phase progression. Low p27 levels and/or cytosolic mis-localisation have been associated with the development of lung, breast, colon, oesophagus, and prostate tumours.

Synonyms:

p27Kip1

Product images:

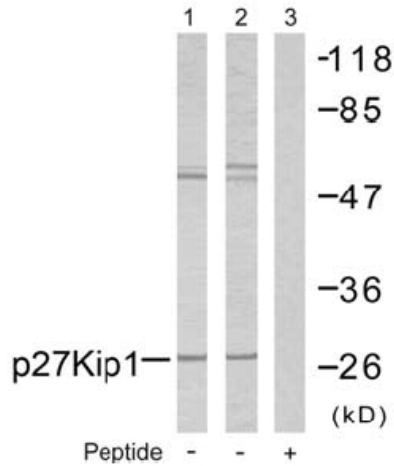


Figure 2. Western blot analysis using p27Kip1 antibody : Lane 1: The extract from A2780 cells; Lane 2: The extract from COLO205 cells; Lane 3: The extract from COLO205 cells using preincubated with synthesized peptide.

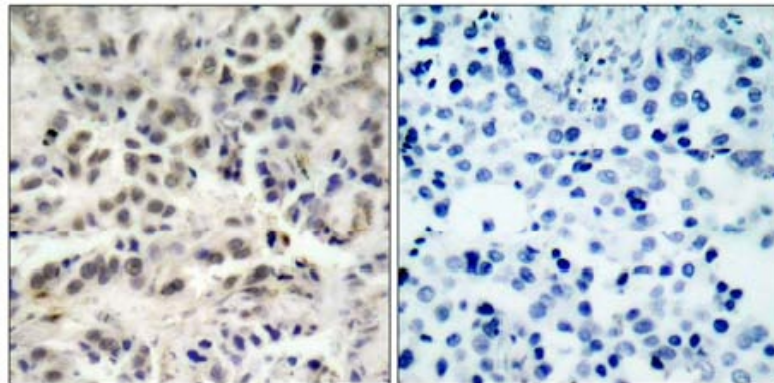


Figure 1. Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using p27Kip1 antibody.

Peptide - +