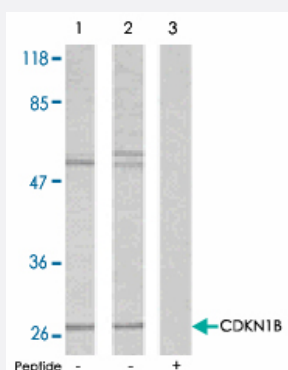


CDKN1B polyclonal antibody

Catalog # PAB5497

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis using CDKN1B polyclonal antibody (Cat # PAB5497) .

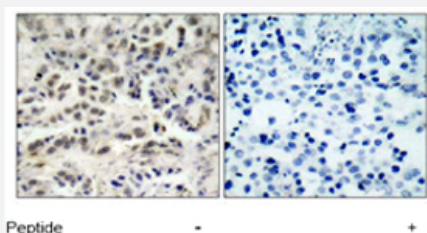
Lane 1 : A2780 cells.

Lane 2 : COLO 205 cells.

Lane 3 : COLO 205 cells using CDKN1B polyclonal antibody (Cat # PAB5497) preincubated with synthesized peptide.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using CDKN1B polyclonal antibody (Cat # PAB5497) .



Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of CDKN1B.

Immunogen A synthetic peptide corresponding to residues surrounding S10 of human CDKN1B.

Host Rabbit

Reactivity Human, Mouse, Rat

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis using CDKN1B polyclonal antibody (Cat # PAB5497) .

Lane 1 : A2780 cells.

Lane 2 : COLO 205 cells.

Lane 3 : COLO 205 cells using CDKN1B polyclonal antibody (Cat # PAB5497) preincubated with synthesized peptide.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using CDKN1B polyclonal antibody (Cat # PAB5497) .

Gene Info — CDKN1B

Entrez GeneID	1027
Gene Name	CDKN1B
Gene Alias	CDKN4, KIP1, MEN1B, MEN4, P27KIP1
Gene Description	cyclin-dependent kinase inhibitor 1B (p27, Kip1)
Omim ID	600778 610755
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the cell cycle progression at G1. The degradation of this protein, which is triggered by its CDK dependent phosphorylation and subsequent ubiquitination by SCF complexes, is required for the cellular transition from quiescence to the proliferative state. [provided by RefSeq]
Other Designations	cyclin-dependent kinase inhibitor 1B

Publication Reference

- [CRM1/Ran-mediated nuclear export of p27\(Kip1\) involves a nuclear export signal and links p27 export and proteolysis.](#)
Connor MK, Kotchetkov R, Cariou S, Resch A, Lupetti R, Beniston RG, Melchior F, Hengst L, Slingerland JM.
Molecular Biology of the Cell 2003 Jan; 14(1):201.
Application: IP-WB, WB-Ce, Human, MCF-7 cells
- [Novel p27\(kip1\) C-terminal scatter domain mediates Rac-dependent cell migration independent of cell cycle arrest functions.](#)
McAllister SS, Becker-Hapak M, Pintucci G, Pagano M, Dowdy SF.
Molecular and Cellular Biology 2003 Jan; 23(1):216.
- [Jab1 co-activation of c-Jun is abrogated by the serine 10-phosphorylated form of p27Kip1.](#)
Chopra S, Fernandez De Mattos S, Lam EW, Mann DJ.
The Journal of Biological Chemistry 2002 Jul; 277(36):32413.

Pathway

- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [ErbB signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Small cell lung cancer](#)

Disease

- [Acromegaly](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)

- [Ataxia telangiectasia](#)
- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Cognition](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Restenosis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Graft Occlusion](#)
- [Head and Neck Neoplasms](#)
- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)

- [Lymphoma](#)
- [Mouth Neoplasms](#)
- [Multiple endocrine neoplasia](#)
- [Multiple Endocrine Neoplasia Type 1](#)
- [Myocardial Infarction](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Parathyroid Neoplasms](#)
- [Precancerous Conditions](#)
- [Primary Ovarian Insufficiency](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)