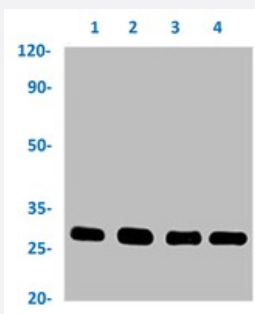


RecomAb™

CDKN1B recombinant monoclonal antibody, clone 1G2

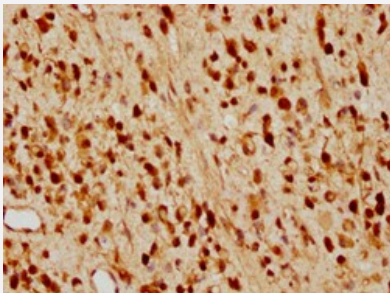
Catalog # RAB04334 Size 100 uL

Applications



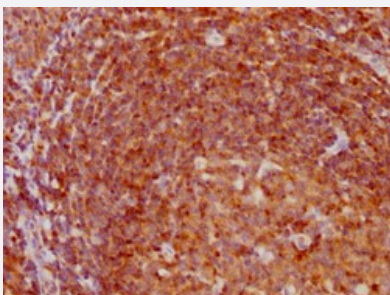
Western Blot

Western blot analysis of Lane 1: HepG2 whole cell lysate, Lane 2: Hela whole cell lysate, Lane 3: MCF-7 whole cell lysate and Lane 4: NIH/3T3 whole cell lysate with CDKN1B recombinant monoclonal antibody, clone 1G2 (Cat # RAB04334).



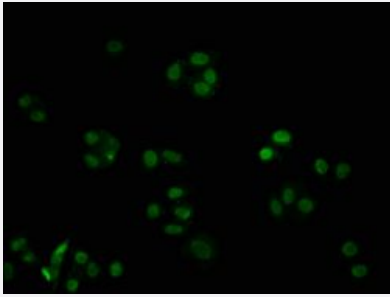
Immunohistochemistry

Immunohistochemical staining of human glioma cancer with CDKN1B recombinant monoclonal antibody, clone 1G2 (Cat # RAB04334) (diluted at 1:97.5).



Immunohistochemistry

Immunohistochemical staining of human tonsil tissue with CDKN1B recombinant monoclonal antibody, clone 1G2 (Cat # RAB04334) (diluted at 1:97.5).



Immunofluorescence

Immunofluorescent staining of HepG2 cells with CDKN1B recombinant monoclonal antibody, clone 1G2 (Cat # RAB04334) (diluted at 1:32.5). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CDKN1B.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CDKN1B.
Theoretical MW (kDa)	Calculated MW: 23 kD
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °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

Western blot analysis of Lane 1: HepG2 whole cell lysate, Lane 2: Hela whole cell lysate, Lane 3: MCF-7 whole cell lysate and Lane 4: NIH/3T3 whole cell lysate with CDKN1B recombinant monoclonal antibody, clone 1G2 (Cat # RAB04334).

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- Immunofluorescence

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — CDKN1B

Entrez GeneID [1027](#)

Protein Accession# [P46527](#)

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 CD K inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-C DK2 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

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](#)