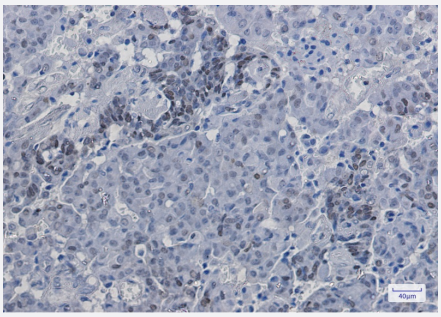
RecomAb™

CDKN1B (phospho S10) recombinant monoclonal antibody, clone R05-4F1

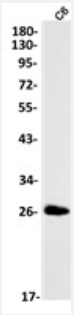
Catalog # RAB04906 Size 100 uL

Applications



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

Immunohistochemistry analysis of paraffin-embedded human breast cancer using CDKN1B (phospho S10) recombinant monoclonal antibody, clone R05-4F1 (Cat # RAB04906). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western Blot (Cell lysate)

Western blot analysis of C6 lysates with CDKN1B (phospho S10) recombinant monoclonal antibody, clone R05-4F1 (Cat # RAB04906).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CDKN1B.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surroundin g Ser10 of human CDKN1B.
Theoretical MW (kDa)	Calculated MW: 22 kD
Reactivity	Human, Mouse, Rat

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Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:100) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

  Immunohistochemistry analysis of paraffin-embedded human breast cancer using CDKN1B (phospho S10) recombinant monoclonal antibody, clone R05-4F1 (Cat # RAB04906). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunoprecipitation

- Western Blot (Cell lysate)

  Western blot analysis of C6 lysates with CDKN1B (phospho S10) recombinant monoclonal antibody, clone R05-4F1 (Cat # RAB04906).

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)

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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

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

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- 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

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- 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

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