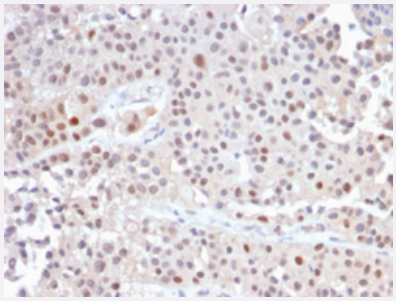
RecomAb™

CDKN1A recombinant monoclonal antibody, clone CIP1/2489R

Catalog # RAB00534 Size 100 ug

Applications



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

Immunohistochemical staining of human urothelial carcinoma.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against full length human CDKN1A.
Antibody Species	Rabbit
Immunogen	Recombinant protein corresponding to full-length human CDKN1A.
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 1 mg/mL PBS
Storage Instruction	Store at -20 to -80°C.

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Applications

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

  Immunohistochemical staining of human urothelial carcinoma.

Gene Info — CDKN1A

Entrez GeneID	1026
Protein Accession#	P38936
Gene Name	CDKN1A
Gene Alias	CAP20, CDKN1, CIP1, MDA-6, P21, SDI1, WAF1, p21CIP1
Gene Description	cyclin-dependent kinase inhibitor 1A (p21, Cip1)
Omim ID	116899
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a potent cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits the activity of cyclin-CDK2 or -CDK4 complexes, and thus functions as a regulator of cell cycle progression at G1. The expression of this gene is tightly controlled by the tumor suppressor protein p53, through which this protein mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. This protein can interact with proliferating cell nuclear antigen (PCNA), a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. This protein was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of CDK2, and may be instrumental in the execution of apoptosis following caspase activation. Two alternatively spliced variants, which encode an identical protein, have been reported. [provided by RefSeq
Other Designations	CDK-interaction protein 1|DNA synthesis inhibitor|OTTHUMP00000016298|cyclin-dependent kinase inhibitor 1A|melanoma differentiation associated protein 6|wild-type p53-activated fragment 1

Pathway

- Bladder cancer
- Cell cycle
- Chronic myeloid leukemia
- ErbB signaling pathway
- Glioma

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- Melanoma
- p53 signaling pathway
- Pathways in cancer
- Prostate cancer

Disease

- Adenocarcinoma
- Ataxia telangiectasia
- Atherosclerosis
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Chromosome Aberrations
- Chronic Disease
- Colorectal Neoplasms
- Diabetes Mellitus
- Disease Progression
- DNA Damage
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Glaucoma
- Glioma
- Head and Neck Neoplasms

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- Helicobacter Infections
- Intestinal Neoplasms
- Kidney Failure
- Laryngeal Neoplasms
- Leiomyoma
- Leukemia
- Low Tension Glaucoma
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Lymphoma
- Malignant melanoma
- Melanoma
- Meningioma
- Mouth Neoplasms
- Multiple endocrine neoplasia
- Multiple Endocrine Neoplasia Type 1
- Myocardial Infarction
- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasm Recurrence
- Neoplasms
- Neuroma
- Occupational Diseases
- Ocular Hypertension
- Ovarian cancer

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- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Papillomavirus Infections
- Pharyngeal Neoplasms
- Precancerous Conditions
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Pulmonary Disease
- Radiation Injuries
- Skin Diseases
- Skin Neoplasms
- Stomach Neoplasms
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Uterine Neoplasms

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