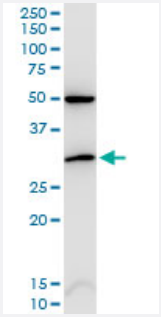
CDKN1B monoclonal antibody (M02), clone 2F4

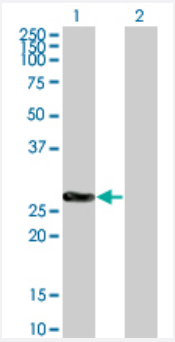
Catalog # H00001027-M02 Size 100 ug

Applications



Western Blot (Cell lysate)

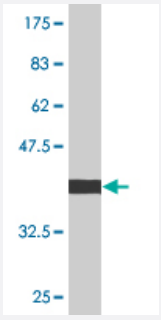
CDKN1B monoclonal antibody (M02), clone 2F4. Western Blot analysis of CDKN1B expression in A-431.



Western Blot (Transfected lysate)

Western Blot analysis of CDKN1B expression in transfected 293T cell line by CDKN1B monoclonal antibody (M02), clone 2F4.

Lane 1: CDKN1B transfected lysate(22.1 KDa).
Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CDKN1B.

Immunogen	CDKN1B (ENSP00000228872, 100 a.a. ~ 198 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KVPAQESQDVSGSRPAAPLIGAPANSEDTHLVDPKTDPSDSQTGLAEQCAGIRKRPATDDSSTQNKRANRTEENVSDGSPNAGSVEQTPKKPGLRRRQT
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  CDKN1B monoclonal antibody (M02), clone 2F4. Western Blot analysis of CDKN1B expression in A-431.

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of CDKN1B expression in transfected 293T cell line by CDKN1B monoclonal antibody (M02), clone 2F4.

  Lane 1: CDKN1B transfected lysate(22.1 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — CDKN1B

Entrez GeneID	1027
GeneBank Accession#	NM_004064

Protein Accession#	ENSP00000228872
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

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