

CDKN2B monoclonal antibody, clone DCS114.1

Catalog # MAB2030

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant CDKN2B.
Immunogen	Recombinant protein corresponding to full length human CDKN2B.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Western blot (1 to 5 ug /mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% 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
- Immunohistochemistry
- Immunoprecipitation

Gene Info — CDKN2B

Entrez GeneID [1030](#)

Gene Name CDKN2B

Gene Alias CDK4I, INK4B, MTS2, P15, TP15, p15INK4b

Gene Description cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)

Omim ID [600431](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene lies adjacent to the tumor suppressor gene CDKN2A in a region that is frequently mutated and deleted in a wide variety of tumors. This gene encodes a cyclin-dependent kinase inhibitor, which forms a complex with CDK4 or CDK6, and prevents the activation of the CDK kinases, thus the encoded protein functions as a cell growth regulator that controls cell cycle G1 progression. The expression of this gene was found to be dramatically induced by TGF beta, which suggested its role in the TGF beta induced growth inhibition. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. [provided by RefSeq]

Other Designations CDK inhibitory protein|CDK4B inhibitor|OTTHUMP00000021154|OTTHUMP00000021155|cyclin-dependent kinase 4 inhibitor B|cyclin-dependent kinase inhibitor 2B|cyclin-dependent kinases 4 and 6 binding protein|multiple tumor suppressor 2|p14_CDK inhibitor|p14_INK4

Publication Reference

- [Inhibitors of mammalian G1 cyclin-dependent kinases.](#)

Sherr CJ, Roberts JM.

Genes & Development 1995 May; 9(10):1149.

Application: IHC, WB-Ce, WN-Ti, WB-Tr, Human, Mouse, HaCaT cells, Lungs, Mammalian cells, Spleens

Pathway

- [Cell cycle](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)
- [TGF-beta signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Asthma](#)
- [Ataxia telangiectasia](#)
- [Atherosclerosis](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chromosomal Instability](#)
- [Chromosome Aberrations](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Cystadenocarcinoma](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)

- [Eczema](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
- [Hemorrhage](#)
- [HIV Infections](#)
- [Hyperglycemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Intracranial Aneurysm](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Malnutrition](#)
- [Melanoma](#)
- [Multiple endocrine neoplasia](#)
- [Multiple Endocrine Neoplasia Type 1](#)
- [Myelodysplastic Syndromes](#)

- [Myocardial Infarction](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)
- [Prostatic Neoplasms](#)
- [Rhinitis](#)
- [Skin Neoplasms](#)
- [Starvation](#)
- [Stroke](#)
- [Thyroid Neoplasms](#)
- [Uveal Neoplasms](#)
- [Vascular Diseases](#)
- [Weight Gain](#)
- [Wolfram Syndrome](#)