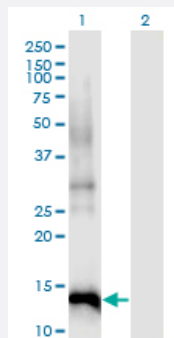


CDKN2B monoclonal antibody (M07), clone 8C4

Catalog # H00001030-M07

Size 100 ug

Applications

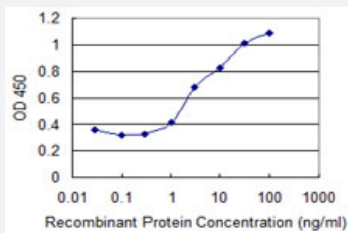


Western Blot (Transfected lysate)

Western Blot analysis of CDKN2B expression in transfected 293T cell line by CDKN2B monoclonal antibody (M07), clone 8C4.

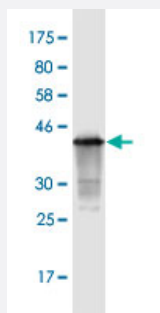
Lane 1: CDKN2B transfected lysate (14.7 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CDKN2B is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (40.92 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant CDKN2B.

Immunogen	CDKN2B (AAH14469, 1 a.a. ~ 138 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MREENKGIPSGGGSDDEGLASAAARGLVEKVRQLLEAGADPNGVNRFGRRAIQVMMMGSARVAE LLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLHRAGARLDVRDAWGRLPVDLAEERGH RD VAGYLRTATGD
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (40.92 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 (Transfected lysate)

Western Blot analysis of CDKN2B expression in transfected 293T cell line by CDKN2B monoclonal antibody (M07), clone 8C4.

Lane 1: CDKN2B transfected lysate(14.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CDKN2B is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CDKN2B

Entrez GeneID [1030](#)

GeneBank Accession#	BC014469
Protein Accession#	AAH14469
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

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](#)
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- [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](#)