

Datasheet

CDK6 monoclonal antibody (M01), clone 8H4

Catalog Number: H00001021-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant CDK6.

Clone Name: 8H4

Immunogen: CDK6 (NP_001250, 3 a.a. ~ 99 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

KDGLCRADQQYECVAEIGEGAYGKVFKARDLKNNGR
FVALKRVRVQTGEEGMPLSTIREVAVLRHLETFEHPNV
VRLFDVCTVSRDRETKLTLVFE

Host: Mouse

Reactivity: Human, Rat

Applications: ELISA, IF, IHC-P, PLA-Ce, S-ELISA, WB-Ce, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1021

Gene Symbol: CDK6

Gene Alias: MGC59692, PLSTIRE, STQTL11

Gene Summary: The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the

gene products of *Saccharomyces cerevisiae* cdc28, and *Schizosaccharomyces pombe* cdc2, and are known to be important regulators of cell cycle progression. This kinase is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression and G1/S transition. The activity of this kinase first appears in mid-G1 phase, which is controlled by the regulatory subunits including D-type cyclins and members of INK4 family of CDK inhibitors. This kinase, as well as CDK4, has been shown to phosphorylate, and thus regulate the activity of, tumor suppressor protein Rb. [provided by RefSeq]

References:

1. MiR-26a and miR-138 block the G1/S transition by targeting the cell cycle regulating network in prostate cancer cells. Erdmann K, Kaulke K, Rieger C, Salomo K, Wirth MP, Fuessel S. *J Cancer Res Clin Oncol*. 2016 Aug 25. [Epub ahead of print]
2. APRIL promotes cell-cycle progression in primary multiple myeloma cells: influence of D-type cyclin group and translocation status. Quinn J, Glassford J, Percy L, Munson P, Marafioti T, Rodriguez-Justo M, Yong K. *Blood*. 2011 Jan 20;117(3):890-901. Epub 2010 Aug 13.