Catalog No. LF-MA0155

MONOCLONAL ANTIBODY

Anti-CDK6 (75B9)
(Anti-cyclin-dependent kinase 6)

Background : Cyclin-dependent kinase 6 (CDK6) is a 40 kDa member of the CDK family of mitotic kinases involved in cell cycle progression. CDKs are the catalytic subunits of the cyclin/CDK complexes, which phosphorylate substrates on threonine/serine residues. CDK6 associates with the D-type cyclins and is important in the progression of cells from the G1-phase to the S-phase of the cell cycle. Loss of normal cell cycle regulation is the hallmark of human cancers, and alteration of the components involved in cell cycle regulation occurs in most human tumors. This suggests that CDK6 is an attractive target for the development of pharmacological agents for the treatment of cancer. Recently, several studies have indicated a novel role for cdk6 in differentiation, also.

Immunogen : Recombinant human protein purified from *E.coli*

Host : Mouse

Clone number : 75B9

Isotype : IgG2b, k

Size : 100 µℓ

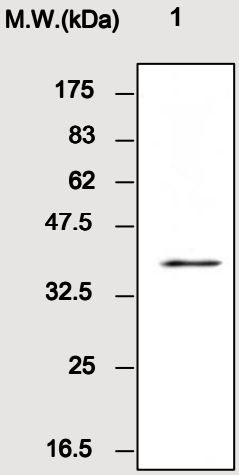
Composition : PBS containing 50% glycerol

Positive control : HeLa cell lysate

Storage : Store for 1 year at –20℃ from date of shipment

Species cross reactivity

Human	Mouse	Rat
+	-	-



Immunoblot Analysis of cell lysate

Lane 1 : HeLa cell lysate

Applications :
ELISA
Western blotting (1:500)

Background Reference :

1) Grossel MJ, Hinds PW, J Cell Biochem. 2006; vol.97(3): pp.485-93.

2) Grossel MJ, Hinds PW, Cell Cycle. 2006; vol.5(3): pp.266-70.

3) Hirai H et al, Curr Top Med Chem. 2005; vol.5(2): pp.167-79.

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