
Cdk4 Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 251727

Unit: 0.1 mg

Description:

Cyclin-dependent kinase 4 (Cdk4) is the Ser/Thr-kinase component of cyclin D-CDK4 (DC) complexes that phosphorylate and inhibit members of the retinoblastoma (RB) protein family including RB1 and regulate the cell-cycle during G1/S transition. Phosphorylation of RB1 by Cdk4 allows dissociation of the transcription factor E2F from the RB/E2F complexes and the subsequent transcription of E2F target genes which are responsible for the progression through the G1 phase. Defects in Cdk4 are a cause of susceptibility to cutaneous malignant melanoma type 3 (CMM3). Malignant melanoma is a malignant neoplasm of melanocytes, arising de novo or from a pre-existing benign nevus, which occurs most often in the skin but also may involve other sites.

Isotype: Mouse IgG2a

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 2% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Cell division protein kinase 4; Cyclin-dependent kinase 4; PSK-J3; CDK4

Accession No.: P11802

Antigen: Recombinant human Cdk4 protein.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.