

CDK4 (ZR394)

Rabbit Monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Recombinant fragment corresponding to the Nterminal of human CDK4 protein
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: CDK4 (ZR394) Rabbit Monoclonal primary antibody detects CDK4 protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain CDK4 protein.

Localization: Nucleus and cytoplasm.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: Cyclin-dependent kinase-4 (CDK4) is a protein-serine kinase involved in the cell cycle. It is essential for the G1- to S-phase transition during the cell. The CCND1-CDK4 axis is critical not only in glial tumor cells but also in stromal-derived cells in the surrounding tumor microenvironment, which are vital to sustaining tumor outgrowth. CDK4 expression was reported for highly differentiated and dedifferentiated liposarcomas but rarely expressed in other benign liposarcomas and other sarcomas. CDK4 and MDM2 coexpression has been observed to distinguish differentiated liposarcoma (+), dedifferentiated liposarcoma (+), myxoid liposarcoma, pleomorphic liposarcoma, spindle lipoma, pleomorphic lipoma, and other high-grade sarcomas.

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Jullié ML, et al. Am J Surg Pathol. 2013; 37:1845-54.
2. Yoshida A, et al. Am J Surg Pathol. 2012; 36:423-31.
3. Clay MR, et al. Am J Surg Pathol. 2016; 40:1647-1652.

REF Z2750RL/ Z2750RS/ Z2750RT/ Z2750RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)



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(research
use only)



(lot number)



(catalogue
number)



(expiry date)



(temperature
limit)



(consult
Instructions
for Use)