



Product Information Sheet

Monoclonal Anti-Cdk7/CAK - conjugated to Magnetic Beads

Catalogue No. MA1022-M

Immunogen

Recombinant human Cdk7 protein.

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: IMD-26

Ig type: mouse IgG2b

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Size: 200µl

Specificity

Human.

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Recommended application

Immunoprecipitation(IP)

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

BACKGROUND

CDK-activating kinases (CAKs) are multi-subunit proteins that phosphorylate and thus activate certain cyclin-dependent protein kinases in the regulation of cell cycle progression. Cyclin dependent kinase7(CDK7) gene is mapped to chromosome 2p15-cen. CDK7 functions in both cyclin binding and T-loop phosphorylation and that these 2 steps of CDK1 activation are mutually dependent.

REFERENCE

Levedakou, E. N.; He, M.; Baptist, E. W.; Craven, R. J.; Cance, W. G.; Welch, P. L.; Simmons, A.; Naylor, S. L.; Leach, R. L.; Lewis, T. B.; Bowcock, A.; Liu, E. T. : Two novel human serine/threonine kinases with homologies to the cell cycle regulating Xenopus MO15, and NIMA kinases: cloning and characterization of their expression pattern. *Oncogene* 9: 1977-1988, 1994.

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