
PSTAIR Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 251794

Unit: 0.1 mg

Description:

The cell cycle is controlled in part by cyclin dependent kinases (CDKs) which are themselves controlled by modifications such as phosphorylation of CDKs and formation of complex(es) with other proteins, including the cyclins. CDKs are key regulators of cell cycle progression. CDKs are closely related in size (35-40 kD) and sequence (>40% identity) and associate with and are activated by a cyclin which acts as a regulatory subunit. In every eukaryote examined, CDKs contain an evolutionary conserved 16 amino acid sequence called PSTAIR (EGVPSTAIRESLLKE) which distinguishes them from other protein kinases. The PSTAIR motif is involved in the complex formation with cyclins. The availability of antibodies reacting specifically with the PSTAIR sequence enables the subcellular detection and localization of the various CDKs and examination of substrate interactions, in a variety of organisms.

Isotype: Mouse IgG1

Applications: E, WB

Species Reactivity: H, M, R, Zf, X, Hm, Ck

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: PSTAIR; CDK; CDC; Cyclin-dependent kinase; Cell division protein kinase; Cell division control protein

Accession No.: Q3U6X7

Antigen: BSA-conjugated synthetic peptide containing the evolutionarily conserved PSTAIR sequence.

Application Notes: E: 1:500-1:1,000; WB: 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.