

Wee1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 252157

Unit: 0.1 mg

Description:

Wee1 acts as a negative regulator of entry into mitosis (G2 to M transition) by protecting the nucleus from cytoplasmically activated cyclin B1-complexed CDK1 before the onset of mitosis. The activity of wee1 increases during the S and G2 phases, and decreases in M phase when it is hyperphosphorylated. A correlated decrease in wee1 protein level occurs at M/G1 phase, probably due to its degradation. Wee1 specifically phosphorylates and inactivates cyclin B1-complexed CDK1 reaching a maximum during G2 phase and a minimum as cells enter M phase. The phosphorylation of cyclin B1-CDK1 occurs exclusively on 'Tyr-15' and phosphorylation of monomeric CDK1 does not occur.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, R

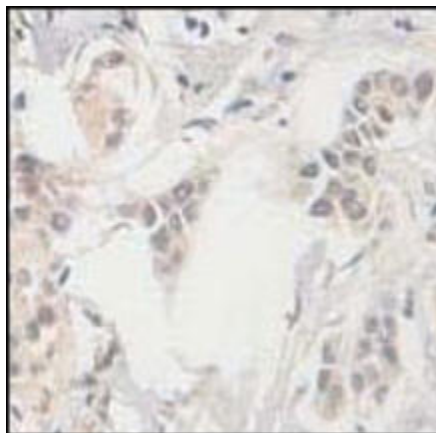
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 0.5% BSA with 0.09% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Wee1-like protein kinase; WEE1hu; Wee1A kinase; WEE1

Accession No.: P30291

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human wee1.

Application Notes: E: 1:10,000-1:50,000; WB: 1:200-1:1,000; IHC: 1:50-1:200



Wee1 staining in human breast carcinoma. Paraffin-embedded human breast carcinoma is stained with Wee1 Antibody (Cat. No. 252157) used at 1:100 dilution.

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.