

Datasheet for ABIN3029617
anti-WEE1 antibody (AA 202-230)



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2 Images

Overview

Quantity:	0.4 mL
Target:	WEE1
Binding Specificity:	AA 202-230
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WEE1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 202-230 from the mouse protein was used as the immunogen for this Wee1 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rat
Purification:	Antigen affinity purified

Target Details

Target:	WEE1
Alternative Name:	Wee1 (WEE1 Products)
Background:	Wee1 may act as a negative regulator of entry into mitosis (G2 to M transition) by protecting

Target Details

the nucleus from cytoplasmically activated cyclin B1-complexed CDK1 before the onset of mitosis. Its activity increases during S and G2 phases and decreases at M phase when it is hyperphosphorylated. A correlated decrease in protein level occurs at M/G1 phase, probably due to its degradation. Specifically phosphorylates and inactivates cyclin B1-complexed CDK1 reaching a maximum during G2 phase and a minimum as cells enter M phase. Phosphorylation of cyclin B1-CDK1 occurs exclusively on 'Tyr-15' and phosphorylation of monomeric CDK1 does not occur (By similarity).

UniProt: [P47810](#)

Pathways: [Cell Division Cycle, Mitotic G1-G1/S Phases, M Phase](#)

Application Details

Application Notes: Titration of the Wee1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Aliquot the Wee1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Wee1 antibody western blot analysis in WiDr lysate. Predicted molecular weight ~72 kDa.



Western Blotting

Image 2. Wee1 antibody western blot analysis in WiDr lysate. Predicted molecular weight ~72 kDa.