

Datasheet for ABIN7175815
anti-WEE1 antibody (AA 45-177) (Biotin)



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Overview

Quantity:	100 µg
Target:	WEE1
Binding Specificity:	AA 45-177
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WEE1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Wee1-like protein kinase protein (45-177AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	WEE1
Alternative Name:	WEE1 (WEE1 Products)
Background:	Background: 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

Target Details

mitosis by mediating phosphorylation of CDK1 on 'Tyr-15'. 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. 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.

Aliases: DKFZp686I18166 antibody, EC 2.7.10.2 antibody, FLJ16446 antibody, MGC105683 antibody, OTTHUMP00000231338 antibody, OTTHUMP00000231339 antibody, Wee 1 antibody, WEE 1 homolog 1 (S. pombe) antibody, WEE1 antibody, WEE1 homolog (S. pombe) antibody, Wee1 homolog antibody, WEE1 homolog S. pombe antibody, Wee1 like protein kinase antibody, Wee1 tyrosine kinase antibody, Wee1+ homolog antibody, Wee1+ S. pombe homolog antibody, WEE1, S. pombe, homolog of antibody, WEE1, somatic antibody, Wee1-like protein kinase antibody, WEE1_HUMAN antibody, WEE1A antibody, Wee1A kinase antibody, WEE1hu antibody

UniProt:	P30291
Pathways:	Cell Division Cycle , Mitotic G1-G1/S Phases , M Phase

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.