

Wee1B Antibody

Catalog No: #SAB349

Package Size: #SAB349 50ul

Description

Product Name	Wee1B Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	Custom antibody
Species Reactivity	Ms
Immunogen Type	Peptide-KLH
Conjugates	Unconjugated
Target Name	Wee1B
Other Names	Wee1-like protein kinase 1B; Wee2
Accession No.	uniprot:Q66JT0
Calculated MW	62kDa
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Western blotting: 1:500~1:1000

Background

Oocyte-specific protein tyrosine kinase that phosphorylates and inhibits CDK1 and acts as a key regulator of meiosis during both prophase I and metaphase II. Required to maintain meiotic arrest in oocytes during the germinal vesicle (GV) stage, a long period of quiescence at dictyate prophase I, by phosphorylating CDK1 at 'Tyr-15', leading to inhibit CDK1 activity and prevent meiotic reentry.

Published Papers

Lili Ren;Chao Liu;Yimeng Liu;Zhichao Meng;Jing Sun;Bingzhi Yu;Jianying Xiao et al., Promotion effect of down-regulation of protein kinase Wee1B expression on mitosis of mouse one-cell-stage embryos, , (2014)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.