

WEE2 polyclonal antibody

Catalog: BS61656

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Wee1-like protein kinase 2, 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. Also required for metaphase II exit during egg activation by phosphorylating CDK1 at 'Tyr-15', to ensure exit from meiosis in oocytes and promote pronuclear formation.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 62 kDa

Swiss-Prot:

P0C1S8

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

WEE2 polyclonal antibody detects endogenous levels of WEE2 protein.

DATA:



Western blot (WB) analysis of WEE2 polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate(40ug)

Lane2:PC3 whole cell lysate(40ug)

Lane3:MEF whole cell lysate(40ug)

Lane4:The Testis tissue lysate of Rat(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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