

WEE2 Polyklonaler Antikörper

Katalog-Nr.: 55119-1-AP

Allgemeine Informationen

Katalog-Nr.:
55119-1-AP

Größe:
150ul, Konzentration: 400 µg/ml von
Nanodrop und 473 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Kaninchen

Isotyp:
IgG

GenBank-Zugangsnummer:
NM_001105558

GeneID (NCBI):
494551

Vollständiger Name:
WEE1 homolog 2 (S. pombe)

Berechnete Masse:
63 kDa

Beobachtete Masse:
63-66 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung
Empfohlene Verdünnungen:
WB 1:500-1:1000

Anwendungen

Geprüfte Anwendungen:
WB, ELISA
Getestete Reaktivität:
Human

Positivkontrollen:
WB: Jurkat-Zellen, humanes Eierstockgewebe

Hintergrundinformationen

WEE2, also named as WEE1B, belongs to the protein kinase superfamily. Ser/Thr protein kinase family and WEE1 subfamily. It phosphorylates and inhibits CDK1. WEE2 may act as a negative regulator of entry into mitosis (G2 to M transition). WEE2 is conserved from yeast to humans. The aim of the present study was to determine the spatiotemporal expression pattern and the function of WEE2 during oocyte maturation in a nonhuman primate species, the rhesus macaque. Taking the long double-stranded RNA-mediated RNA interference approach, down-regulation of WEE2 led to meiotic resumption in a subset of GV oocytes even in the presence of a phosphodiesterase 3 inhibitor. Overexpression of WEE2 delays the reentry of oocytes into meiosis in both mice and monkeys. WEE2 is a conserved oocyte-specific meiosis inhibitor that functions downstream of cAMP in nonhuman primates. (PMID: 20200212) The antibody is specific to WEE2.

Lagerung

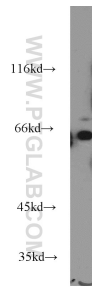
Lagerungsbedingungen:
Bei -20°C lagern.
Lagerungspuffer:
0,1 M NaHCO₃, 0,1 M Glyzin, 0,02% Natriumazid und 50% Glycerin, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Ausgewählte Validierungsdaten



Jurkat cells were subjected to SDS PAGE followed by western blot with 55119-1-AP (WEE2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.