

For Research Use Only

WEE1 Polyclonal antibody

Catalog Number: 14375-1-AP

8 Publications



Basic Information

Catalog Number:

14375-1-AP

Size:

260 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5751

GenBank Accession Number:

BC051831

GeneID (NCBI):

7465

UNIPROT ID:

P30291

Full Name:

WEE1 homolog (S. pombe)

Calculated MW:

72 kDa

Observed MW:

72 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Background Information

WEE1 kinase is a serine-threonine kinase that regulates G2/M checkpoint transition. WEE1 triggers G2/M arrest through inhibitory phosphorylation on Tyr15 of CDK1 (Cdc2) and preventing entry into mitosis to allow DNA repair during DNA damage (PMID: 27427153). The predicted native molecular weight for Wee1 based on the intact human Wee1 cDNA sequence is 72 kDa, whereas the 95-110 kDa protein is a highly modified product (PMID: 7568188). Others have shown that Wee1 is 70-72 kDa and 49-55 kDa (PMID: 12214061).

Notable Publications

Author	Pubmed ID	Journal	Application
Ensong Guo	34825915	J Exp Med	WB
Zongzhuang Wen	32679235	Exp Cell Res	WB
Dao-Zhou Liu	29339188	Nanomedicine	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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