

For Research Use Only

WEE1 Polyclonal antibody

Catalog Number: 29474-1-AP

6 Publications



Basic Information

Catalog Number:

29474-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30194

GenBank Accession Number:

BC051831

GeneID (NCBI):

7465

UNIPROT ID:

P30291

Full Name:

WEE1 homolog (S. pombe)

Calculated MW:

72 kDa

Observed MW:

72 kDa, 110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF, CoIP

Species Specificity:

Human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : K-562 cells, mouse brain tissue, mouse heart tissue

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
Hanxi Yu	35355406	J Cell Mol Med	WB
Jianwu Gong	35127343	Anal Cell Pathol (Amst)	WB
Yi-Ming Ji	35504548	Reprod Toxicol	WB

Storage

Storage:

Store at -20°C.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

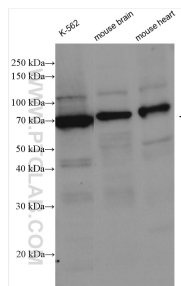
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29474-1-AP (WEE1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.