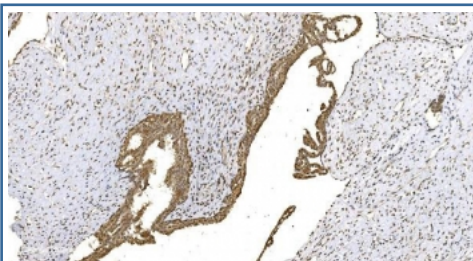


## Wee1 Antibody (RQ4901)

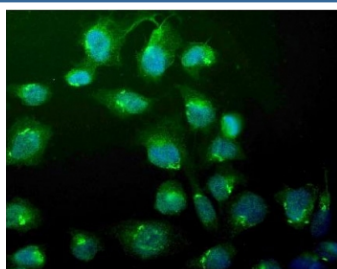
Catalog No.	Formulation	Size
RQ4901	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

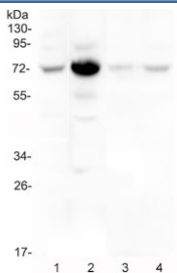
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P30291
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 2-4ug/ml Flow Cytometry : 1-3ug/million cells Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This Wee1 antibody is available for research use only.



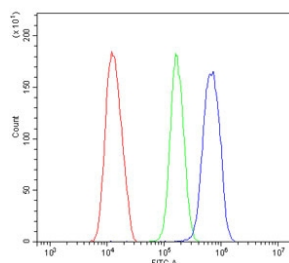
IHC staining of FFPE human breast carcinoma with Wee1 antibody. HIER: boil tissue sections in pH 8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human U-2 OS cells with Wee1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) placenta, 3) A431 and 4) U-2 OS cel lysate with Wee1 antibody at 0.5ug/ml. Predicted molecular weight ~72 kDa.



Flow cytometry testing of human SiHa cells with Wee1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Wee1 antibody.

## Description

Wee1 is a nuclear kinase belonging to the Ser/Thr family of protein kinases in the fission yeast *Schizosaccharomyces pombe* (*S. pombe*). It is mapped to 11p15.4. This gene encodes a nuclear protein, which is a tyrosine kinase belonging to the Ser/Thr family of protein kinases. This protein catalyzes the inhibitory tyrosine phosphorylation of CDC2/cyclin B kinase, and appears to coordinate the transition between DNA replication and mitosis by protecting the nucleus from cytoplasmically activated CDC2 kinase.

## Application Notes

Optimal dilution of the Wee1 antibody should be determined by the researcher.

## Immunogen

Amino acids ELNAEKFKNSLLQKELKKAQMAKAAAEERALFTDR from the human protein were used as the immunogen for the Wee1 antibody.

## Storage

After reconstitution, the Wee1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.