

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

WEE2 RABBIT PAB

Cat.#: S221546

Product Name: Anti-WEE2 Rabbit Polyclonal Antibody

Synonyms: OOMD5; WEE1B

UNIPROT ID: POC1S8 (Gene Accession - NP_001099028)

Background: Oocyte-specific protein tyrosine kinase that phosphorylates and inhibits CDK1/CDC2

and acts as a key regulator of meiosis during both prophase I and metaphase II

(PubMed:29606300). 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 (By similarity).

Immunogen: Synthetic peptide of human WEE2

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification

Species Reactivity: Human

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

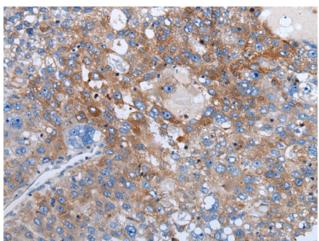
glycerol

Research Areas: Signal Transduction, Cancer, Developmental Biology Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

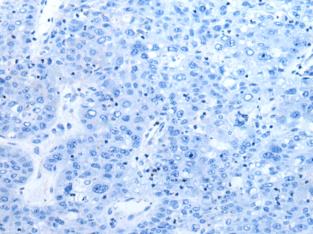


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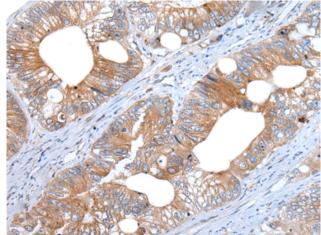
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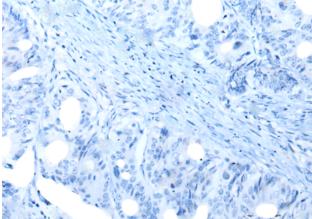
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 221546(WEE2 Antibody) at a dilution of 1/40(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 221546(Anti-WEE2 Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffinembedded Human colorectal cancer tissue using 221546 (Anti-WEE2 Antibody) at a dilution of 1/40.



In comparision with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with synthetic peptide and then with D263187(Anti-WEE2 Antibody) at dilution 1/40.