

Product datasheet for **TA372035**

WEE2 Rabbit Polyclonal Antibody

Product data:

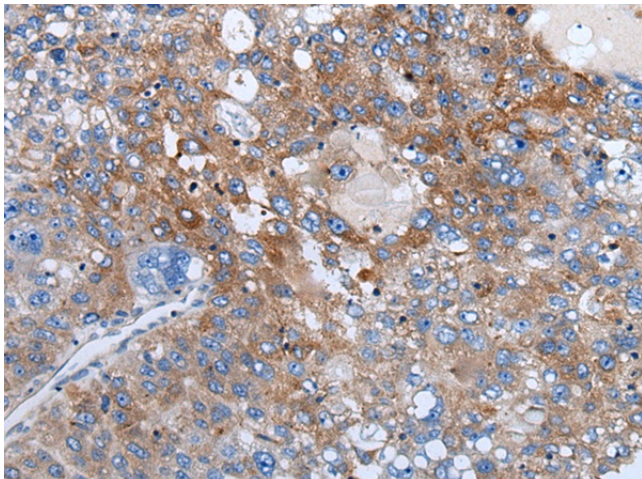
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human WEE2
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Gene Name:	WEE1 homolog 2 (S. pombe)
Database Link:	Entrez Gene 494551 Human POC1S8

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).

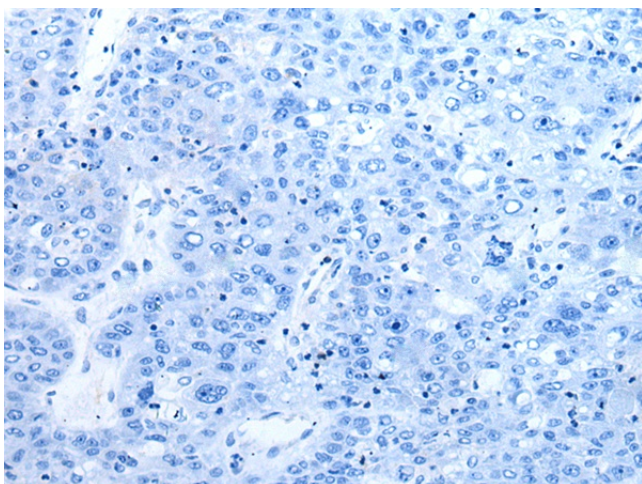
Synonyms: FLJ16107; WEE1B



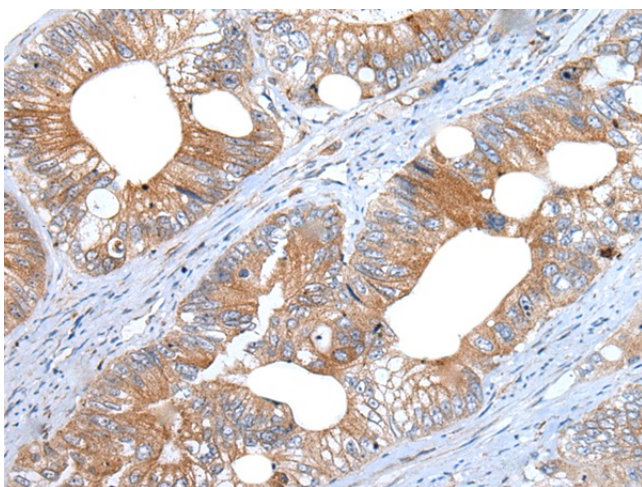
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Product images:

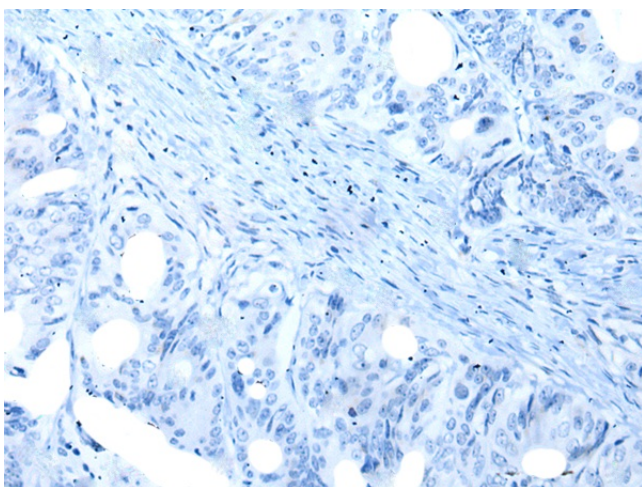
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA372035 (WEE2 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA372035 (WEE2 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA372035 (WEE2 Antibody) at dilution 1/40 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA372035 (WEE2 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: $\times 200$)