

Product datasheet for **TA351062S**

CDK11A Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Hela and hepG2 cells, lovo cells and human colon cancer tissue IHC: 50-200 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human CDK11A/CDK11B
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	93 kDa
Gene Name:	cyclin-dependent kinase 11A
Database Link:	NP_076916 Entrez Gene 728642 Human Q9UQ88



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Background:

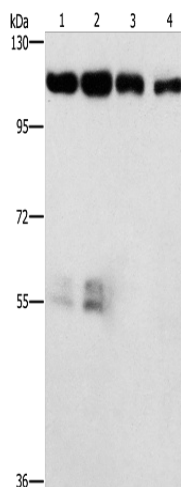
Cyclin-dependent kinases (CDKs) are a family of protein kinases first discovered for their role in regulating the cell cycle. They are also involved in regulating transcription, mRNA processing, and the differentiation of nerve cells. They are present in all known eukaryotes, and their regulatory function in the cell cycle has been evolutionarily conserved. CDKs are relatively small proteins, with molecular weights ranging from 34 to 40 kDa, and contain little more than the kinase domain. By definition, a CDK binds a regulatory protein called a cyclin. Without cyclin, CDK has little kinase activity; only the cyclin-CDK complex is an active kinase. CDKs phosphorylate their substrates on serines and threonines, so they are serine-threonine kinases.

Synonyms:

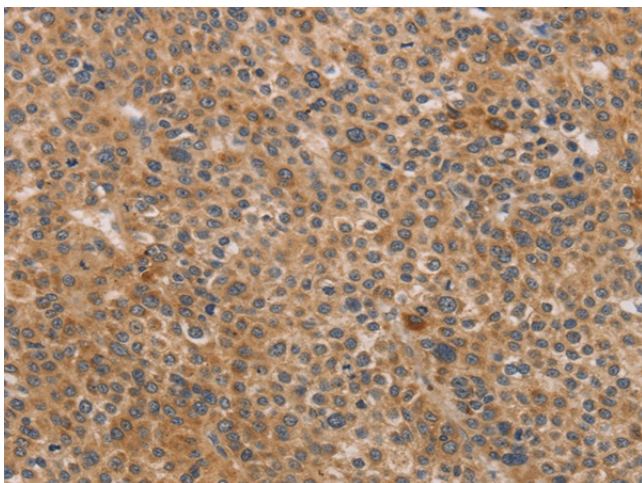
CDC2L2; CDC2L3; CDK11-p46; CDK11-p58; CDK11-p110; p58GTA; PITSLRE

Protein Families:

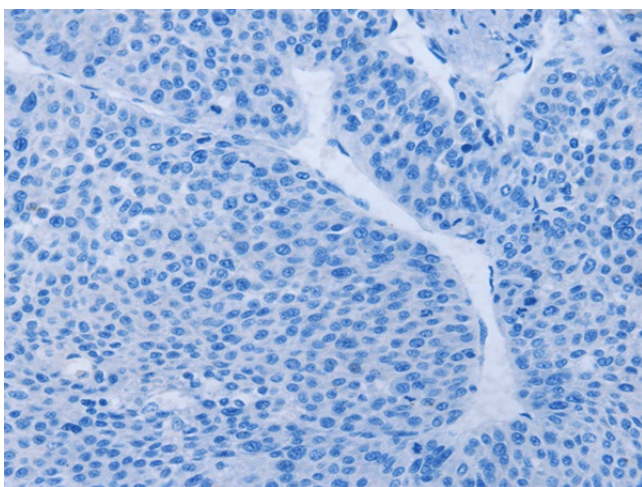
Druggable Genome

Product images:

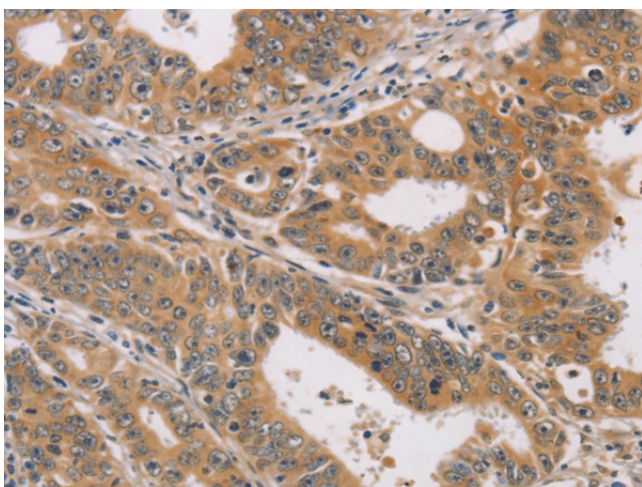
Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane 1-4: Hela cells
hepG2 cells
lovo cells
human colon cancer tissue
Primary antibody: [TA351062] (CDK11A/CDK11B
Antibody) at dilution 1/750
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 1 minute



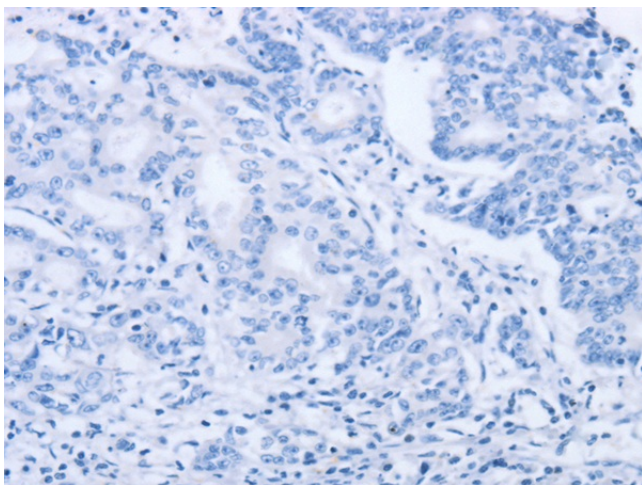
Immunohistochemistry of paraffin-embedded
Human liver cancer tissue using [TA351062]
(CDK11A/CDK11B Antibody) at dilution 1/40
(Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA351062] (CDK11A/CDK11B Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA351062] (CDK11A/CDK11B Antibody) at dilution 1/40 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA351062] (CDK11A/CDK11B Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: $\times 200$)