

Datasheet for ABIN6138326
anti-CDK7 antibody (AA 211-346)

3 Images

[Go to Product page](#)

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | CDK7 |
| Binding Specificity: | AA 211-346 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CDK7 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 211-346 of human CDK7 (NP_001790.1). |
| Sequence: | PFLPGDSDLD QLTRIFETLG TPTEEQWPDM CSLPDYVTFK SFPGIPLHHI FSAAGDDLLD LIQGLFLFNP CARITATQAL KMKYFSNRPG PTPGCQLPRP NCPVETLKEQ SNPALAIKRK RTEALEQGGL PKKLIF |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |
| Purification: | Affinity purification |

Target Details

| | |
|-------------------|--|
| Target: | CDK7 |
| Alternative Name: | CDK7 (CDK7 Products) |
| Background: | <p>The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of <i>Saccharomyces cerevisiae cdc28</i>, and <i>Schizosaccharomyces pombe cdc2</i>, and are known to be important regulators of cell cycle progression. This protein forms a trimeric complex with cyclin H and MAT1, which functions as a Cdk-activating kinase (CAK). It is an essential component of the transcription factor TFIIF, that is involved in transcription initiation and DNA repair. This protein is thought to serve as a direct link between the regulation of transcription and the cell cycle.,CDK7,CAK,CAK1,CDKN7,HCAK,MO15,STK1,p39MO15,Epigenetics & Nuclear Signaling,DNA Damage & Repair,Signal Transduction,Kinase,Serine/threonine kinases,Cell Biology & Developmental Biology,Cell Cycle,G2/M DNA Damage Checkpoint,CDK7</p> |
| Molecular Weight: | 39 kDa |
| Gene ID: | 1022 |
| UniProt: | P50613 |
| Pathways: | Cell Division Cycle , DNA Damage Repair , Intracellular Steroid Hormone Receptor Signaling Pathway , Mitotic G1-G1/S Phases , M Phase |

Application Details

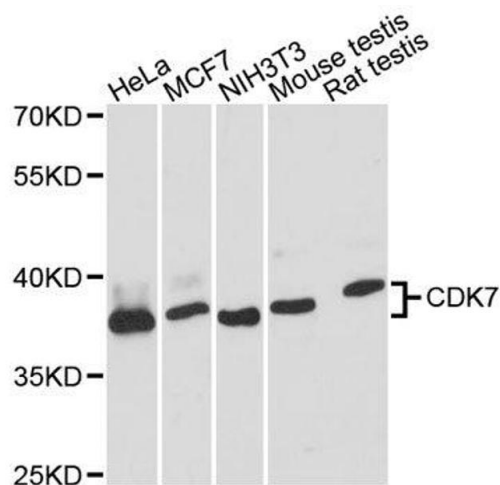
| | |
|--------------------|-----------------------------------|
| Application Notes: | WB,1:500 - 1:2000,IF,1:50 - 1:200 |
| Comment: | HIGH QUALITY |
| Restrictions: | For Research Use only |

Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |

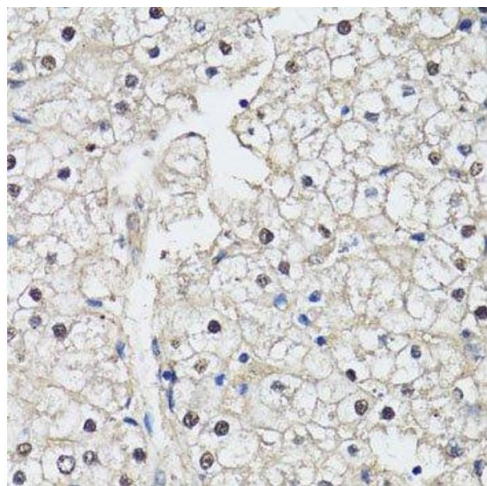
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



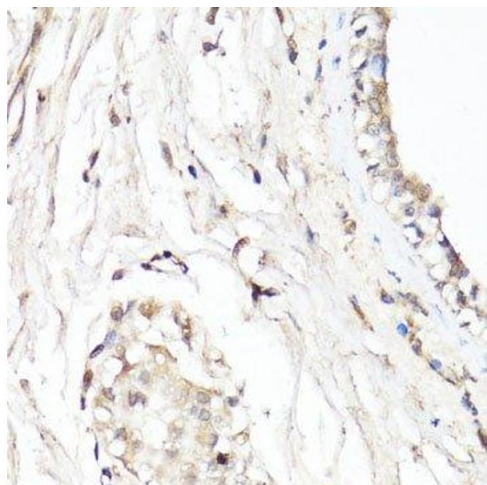
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CDK7 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded human liver using CDK7 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded human breast using CDK7 antibody.