



Datasheet for ABIN7256486

anti-CDK7 antibody

3 Images



[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	CDK7
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK7 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human CDK7 (NP_001790.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	CDK7
Alternative Name:	CDK7 (CDK7 Products)
Background:	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</i> cdc28, and <i>Schizosaccharomyces pombe</i> cdc2, and are known to be important regulators of cell cycle progression. This protein forms a trimeric complex with cyclin H and

Target Details

MAT1, which functions as a Cdk-activating kinase (CAK). It is an essential component of the transcription factor TFIIH, 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.

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: IHC 1:50-1:200 IF 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

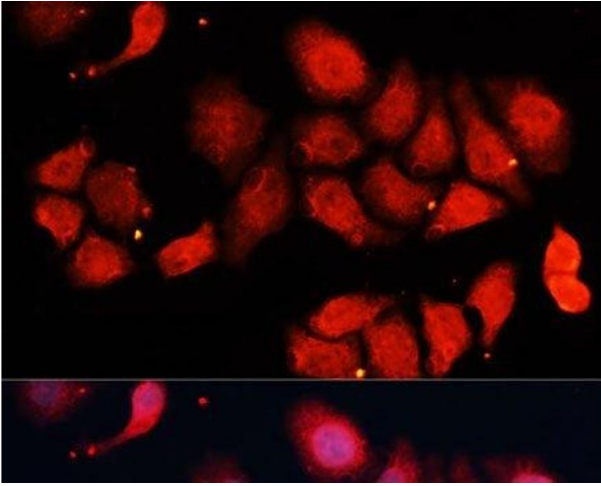
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

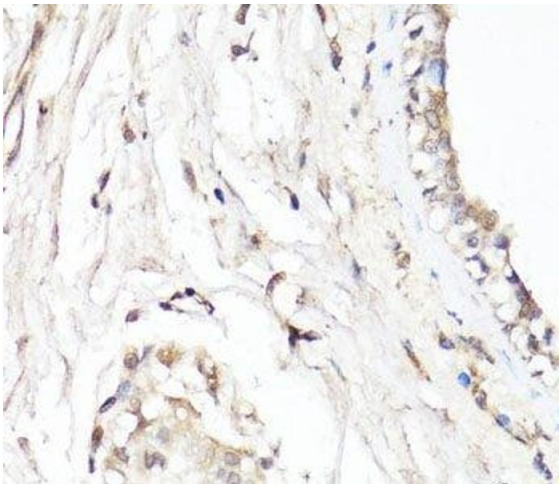
Storage: -20 °C

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



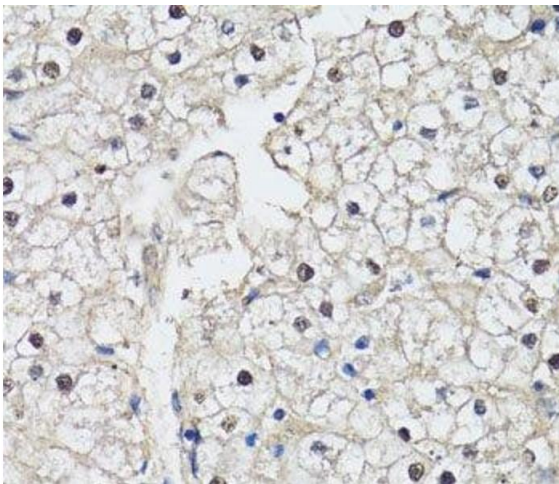
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using CDK7 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Human breast using CDK7 Polyclonal Antibody at dilution of 1:150 (40x lens).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human liver using CDK7 Polyclonal Antibody at dilution of 1:150 (40x lens).