

Datasheet for ABIN389541  
**anti-CDK7 antibody (pThr170)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	400 µL
Target:	CDK7
Binding Specificity:	pThr170
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Dot Blot (DB)

## Product Details

Immunogen:	This CDK7 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T170 of human CDK7.
Clone:	RB07518
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	CDK7
---------	------

## Target Details

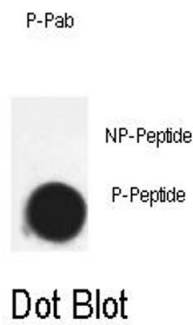
Alternative Name:	CDK7 ( <a href="#">CDK7 Products</a> )
Background:	The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of <i>Saccharomyces cerevisiae</i> cdc28, and <i>Schizosaccharomyces pombe</i> cdc2, and are known to be important regulators of cell cycle progression. This protein forms a trimeric complex with cyclin H and 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.
Molecular Weight:	39038
Gene ID:	1022
NCBI Accession:	<a href="#">NP_001790</a>
UniProt:	<a href="#">P50613</a>
Pathways:	<a href="#">Cell Division Cycle</a> , <a href="#">DNA Damage Repair</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">M Phase</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. DB: 1:500
Restrictions:	For Research Use only

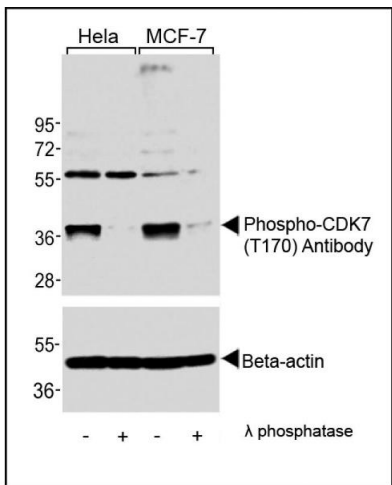
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze-thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.
Expiry Date:	6 months



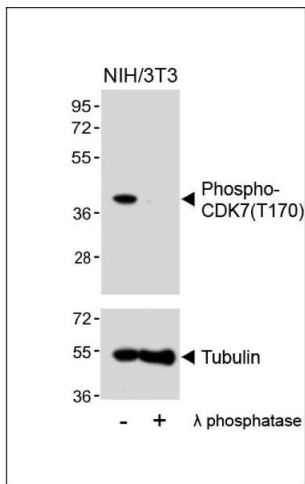
### Dot Blot

**Image 1.** Dot blot analysis of Phospho-Cdk7- Pab (ABIN389541 and ABIN2850443) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 µg per ml.



### Western Blotting

**Image 2.** Western blot analysis of extracts from HeLa and MCF-7 cells, untreated or lambda phosphatase-treated, using Phospho-CDK7 Antibody (upper) or Beta-actin (lower).



### Western Blotting

**Image 3.** Western blot analysis of lysates from NIH/3T3 cell line, untreated or treated with λ phosphatase, using 459667101 (ABIN389541 and ABIN2850443) (upper) or Tubulin (lower).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN389541.