

Datasheet for ABIN7148881  
**anti-CDK3 antibody (AA 220-297)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	CDK3
Binding Specificity:	AA 220-297
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK3 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Cyclin-dependent kinase 3 protein (220-297AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	CDK3
Alternative Name:	CDK3 ( <a href="#">CDK3 Products</a> )
Background:	Background: Serine/threonine-protein kinase that plays a critical role in the control of the eukaryotic cell cycle, involved in G0-G1 and G1-S cell cycle transitions. Interacts with

## Target Details

CCNC/cyclin-C during interphase. Phosphorylates histone H1, ATF1, RB1 and CABLES1. ATF1 phosphorylation triggers ATF1 transactivation and transcriptional activities, and promotes cell proliferation and transformation. CDK3/cyclin-C mediated RB1 phosphorylation is required for G0-G1 transition. Promotes G1-S transition probably by contributing to the activation of E2F1, E2F2 and E2F3 in a RB1-independent manner.

Aliases: Cdk 3 antibody, Cdk3 antibody, CDK3\_HUMAN antibody, CDKN3 antibody, Cell division kinase 3 antibody, Cell division protein kinase 3 antibody, Cyclin dependent kinase 3 antibody, Cyclin-dependent kinase 3 antibody, OTTHUMP00000206828 antibody, p36 antibody

UniProt: [Q00526](#)

Pathways: [Cell Division Cycle](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:500-1:1000,

Restrictions: For Research Use only

## Handling

Format: Liquid

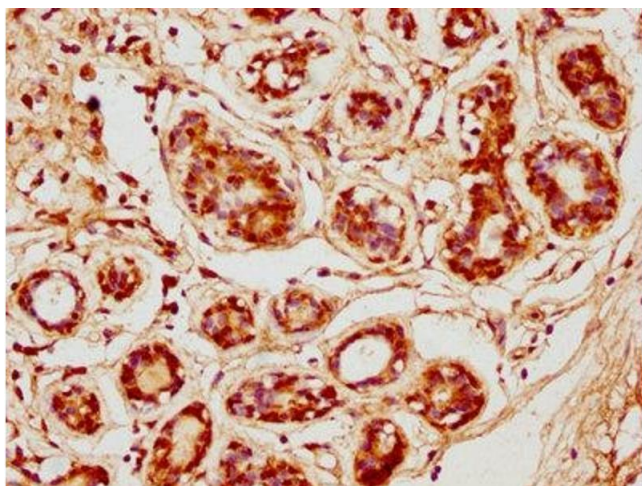
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunohistochemistry

**Image 1.** IHC image of ABIN7148881 diluted at 1:600 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.