

Datasheet for ABIN7300496

**anti-CDK5 antibody (N-Term, pTyr15)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	CDK5
Binding Specificity:	N-Term, pTyr15
Reactivity:	Human, Mouse, Rat, Cow, Pig, Sheep, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

## Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CDK5.
Specificity:	Recognizes endogenous levels of CDK5 (pY15) protein.
Characteristics:	Rabbit polyclonal antibody to CDK5 (pY15)
Purification:	The antibody was purified by immunogen affinity chromatography.

## Target Details

Target:	CDK5
Alternative Name:	CDK5 ( <a href="#">CDK5 Products</a> )

## Target Details

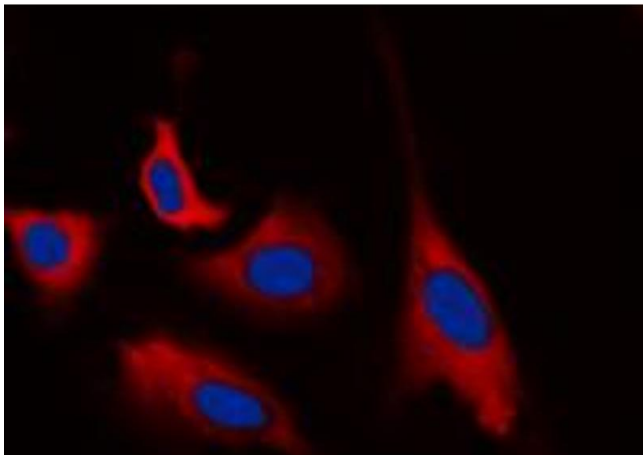
Background:	CDKN5, Cyclin-dependent kinase 5, Cell division protein kinase 5, Serine/threonine-protein kinase PSSALRE, Tau protein kinase II catalytic subunit, TPKII catalytic subunit
Gene ID:	1020, 12568, 140908
UniProt:	<a href="#">Q00535</a> , <a href="#">P49615</a> , <a href="#">Q03114</a>
Pathways:	<a href="#">Cell Division Cycle</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Synaptic Membrane</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Synaptic Vesicle Exocytosis</a>

## Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

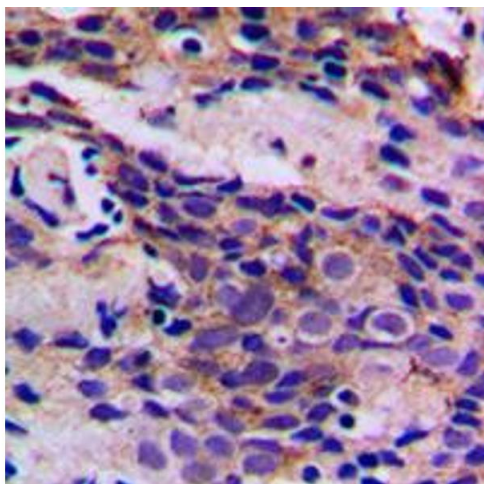
## Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % 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.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



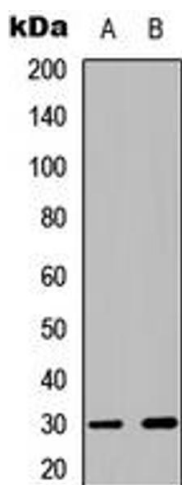
#### Immunofluorescence

**Image 1.** Immunofluorescent analysis of CDK5 (pY15) staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of CDK5 (pY15) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. w



#### Western Blotting

**Image 3.** Western blot analysis of CDK5 (pY15) expression in HT29 PMA-treated (A), HEK293 PMA-treated (B) whole cell lysates.