

Datasheet for ABIN746993

anti-CDC25C antibody (pThr48)[2 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CDC25C
Binding Specificity:	pThr48
Reactivity:	Human, Mouse, Rat, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC25C antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human cdc25C around the phosphorylation site of Thr48
Isotype:	IgG
Cross-Reactivity:	Chicken, Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	CDC25C
Alternative Name:	cdc25C (CDC25C Products)

Target Details

Background:	Synonyms: CDC25, PPP1R60, M-phase inducer phosphatase 3, Dual specificity phosphatase Cdc25C, CDC25C Background: Functions as a dosage-dependent inducer in mitotic control. Tyrosine protein phosphatase required for progression of the cell cycle. When phosphorylated, highly effective in activating G2 cells into prophase. Directly dephosphorylates CDK1 and activates its kinase activity.
Gene ID:	995
UniProt:	P30307
Pathways:	Cell Division Cycle, M Phase

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

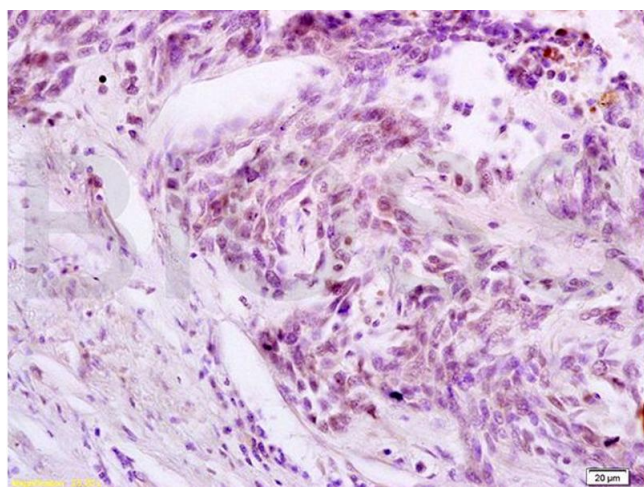
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Yin, Jiang, Peng, Cui, Zhou, He, Zuo, Ouyang, Fan, Fang: "The molecular mechanism of G2M cell cycle arrest induced by AFB1 in the jejunum." in: **Oncotarget**, Vol. 7, Issue 24, pp. 35592-35606, (2016) ([PubMed](#)).

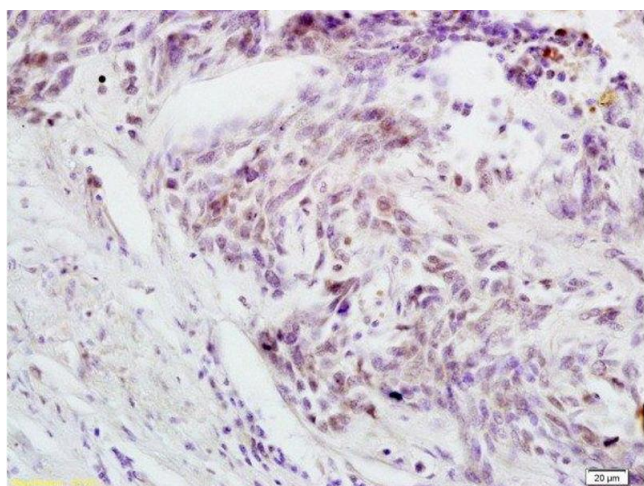
Guo, Cui, Peng, Fang, Zuo, Deng, Wang, Wu, Chen, Deng: "Dietary NiCl₂ causes G₂/M cell cycle arrest in the broiler's kidney." in: **Oncotarget**, Vol. 6, Issue 34, pp. 35964-77, (2015) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human rectal carcinoma labeled with Anti-Phospho-cdc25C (Thr48) Polyclonal Antibody, Unconjugated (ABIN746993) at 1:200 followed by conjugation to the secondary antibody and DAB



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded human rectal carcinoma labeled with Anti-Phospho-cdc25C (Thr48) Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB