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Datasheet for ABIN756997  
**anti-CDC6 antibody (pSer54)**

### Overview

Quantity:	100 µL
Target:	CDC6
Binding Specificity:	pSer54
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC6 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 Cdc6 around the phosphorylation site of Ser54 [PL(p-S)PR]
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	CDC6
Alternative Name:	Cdc6 ( <a href="#">CDC6 Products</a> )

## Target Details

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**Background:** Synonyms: Cell Division Cycle protein 6, Cdc 18L, Cdc 6, CDC18 cell division cycle 18, S.pombe, homolog like, CDC18 S.pombe, CDC18 like, CDC18S.pombe, Cdc18L, CDC6 related protein, Cdc6p, Cell cycle controller, Cell division control protein 6, Cell division control protein 6 homolog, Cell division cycle 18, Cell division cycle 18 homolog, Cell division cycle 6 homolog, Cell division cycle 6 protein, HsCDC 18, HsCDC 6, HsCDC18, HsCDC6, p62, p62cdc 6, p62cdc6, CDC6\_HUMAN.

Background: The protein encoded by this gene is highly similar to *Saccharomyces cerevisiae* Cdc6, a protein essential for the initiation of DNA replication. This protein functions as a regulator at the early steps of DNA replication. It localizes in cell nucleus during cell cycle G1, but translocates to the cytoplasm at the start of S phase. The subcellular translocation of this protein during cell cycle is regulated through its phosphorylation by Cdks. Transcription of this protein was reported to be regulated in response to mitogenic signals through transcriptional control mechanism involving E2F proteins.

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**Gene ID:** 990

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**Pathways:** [DNA Replication](#), [Synthesis of DNA](#)

## Application Details

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**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

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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## Handling

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handled by trained staff only.

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Storage: 4 °C,-20 °C

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months