

## CDC6 Antibody

Catalog No: #31169

Package Size: #31169-1 50ul #31169-2 100ul

Orders: order@signalwayantibody.com

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## Description

Product Name	CDC6 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total CDC6 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 18-32 amino acids of human cell division cycle 6 homolog ( <i>S. cerevisiae</i> )
Target Name	CDC6
Other Names	cell division cycle 6 homolog ( <i>S. cerevisiae</i> ), CDC18L, HsCDC6, HsCDC18
Accession No.	Swiss-Prot:Q99741Gene ID:990;
Uniprot	Q99741
GeneID	990;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C/1 year

## Application Details

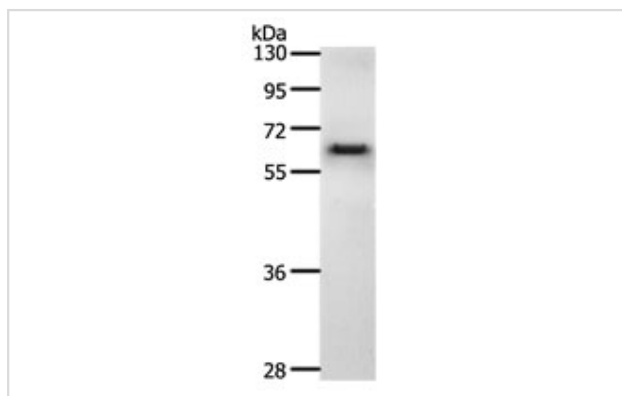
Predicted MW: 63kd

ELISA: 1:1000-1:5000

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

## Images



Gel: 10%SDS-PAGE

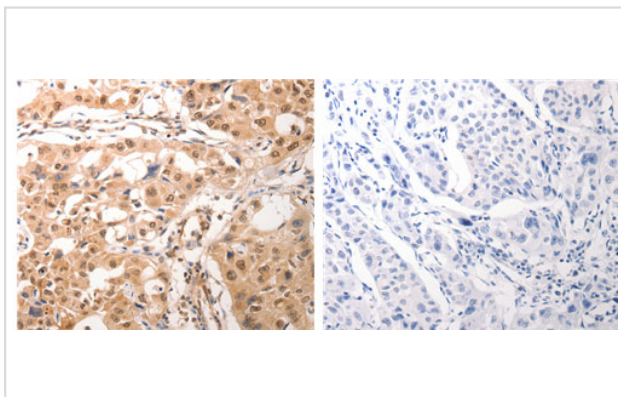
Lysate: 40 µg K562 cell lysate

Primary antibody: 1/200 dilution

Secondary antibody: Goat anti Rabbit IgG - H&amp;L (HRP) at

1/10000 dilution

Exposure time: 2 minutes



The image on the left is immunohistochemistry of paraffin-embedded human lung cancer tissue using 31169(CDC6 Antibody) at dilution 1/25, on the right is treated with the synthetic peptide.

## 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.

Note: This product is for in vitro research use only