

## CDK6 Antibody

Catalog No: #48575

Package Size: #48575-1 50ul #48575-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

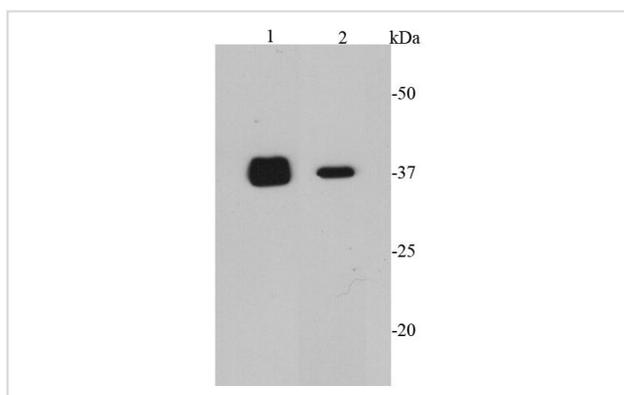
## Description

Product Name	CDK6 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	peptide
Other Names	CDK 6 antibody CDK6 antibody CDK6_HUMAN antibody Cell division protein kinase 6 antibody Crk 2 antibody Crk2 antibody Cyclin dependent kinase 6 antibody Cyclin-dependent kinase 6 antibody MGC59692 antibody p40 antibody PLSTIRE antibody Serine/threonine protein kinase PLSTIRE antibody Serine/threonine-protein kinase PLSTIRE antibody STQTL11 antibody
Accession No.	Swiss-Prot#:Q00534
Uniprot	Q00534
GeneID	1021;
Calculated MW	37 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

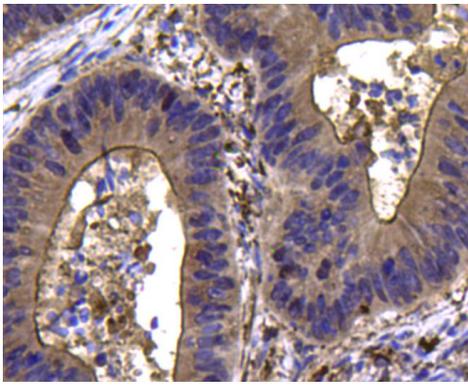
## Application Details

WB: 1:2,000 IHC: 1:200 ICC: 1:200

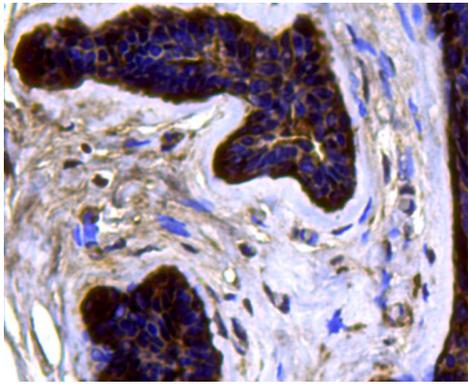
## Images



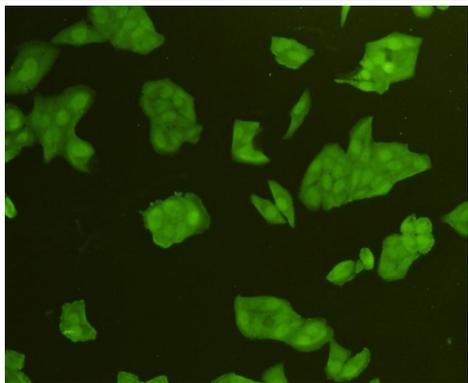
Western blot analysis of CDK6 on different cell lysates using anti-CDK6 antibody at 1/2000 dilution. Positive control: Lane 1: K562 Lane 2: COS-1



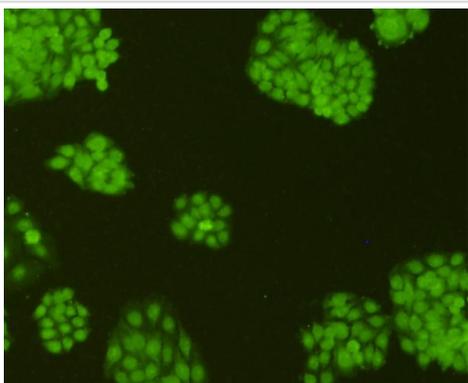
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-CDK6 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-CDK6 antibody. Counter stained with hematoxylin.



ICC staining CDK6 in Hela cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CDK6 in HepG2 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

CDK6 protein contains a catalytic core composed of a serine/threonine domain. This protein also contains an ATP-binding pocket, inhibitory and activating phosphorylation sites, a PSTAIRE-like cyclin-binding domain and an activating T-loop motif. CDK6 is involved in a positive feedback loop that activates transcription factors through a reaction cascade. CDK6 is important for the control of G1 to S phase transition. However, in recent years, new evidence proved that the presence of CDK6 is not essential for proliferation in every cell type, the cell cycle has a complex circuitry of regulation and the role of CDK6 might be more important in certain cell types than in others, where CDK4 or CDK2 can act as protein kinases compensating its role.

## References

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Note: This product is for in vitro research use only