



Catalog: OM642228

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Anti-Cdk4 antibody

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☐ 100 ul

Product profile

Product name	Anti-Cdk4 antibody
Antibody Type	Primary Antibodies
Immunogen	Polypeptide

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	ELISA ,ICC/IF ,IHC ,WB
Species Reactivity	Human Mouse Rat
Concentration	1 mg/ml
Purification	Protein A

Target Information

Gene Symbol	CDK4
Gene Synonyms	CMM3; PSK-J3
Gene Full Name	cyclin dependent kinase 4

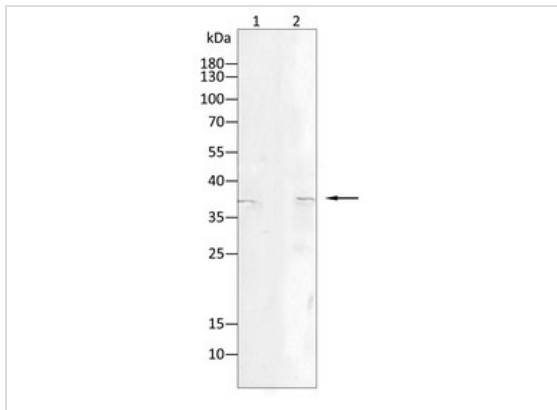
Gene Summary	The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is highly similar to the gene products of <i>S. cerevisiae</i> cdc28 and <i>S. pombe</i> cdc2. It is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression. The activity of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D-type cyclins and CDK inhibitor p16(INK4a). This kinase was shown to be responsible for the phosphorylation of retinoblastoma gene product (Rb). Mutations in this gene as well as in its related proteins including D-type cyclins, p16(INK4a) and Rb were all found to be associated with tumorigenesis of a variety of cancers. Multiple polyadenylation sites of this gene have been reported. [provided by RefSeq, Jul 2008]
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Molecular Weight (MW)	34 kDa
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Molecular Weight: 37 kDa

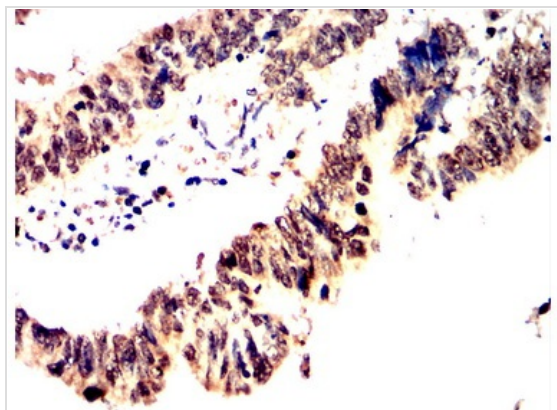
Cellular Localization: Cytoplasm, Membrane, Nucleus

Application



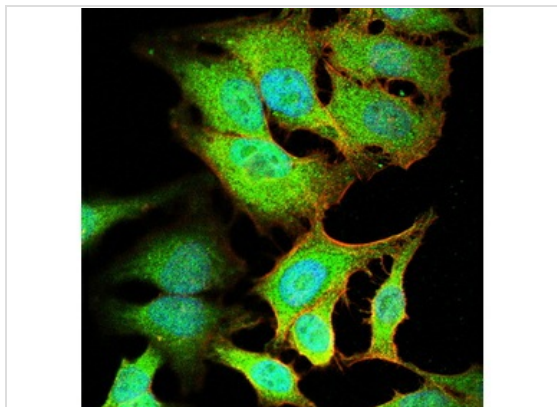
WB

Western blot analysis using Cdk4 antibody against THP-1(1), K562(2) cell lysate.



IHC

Immunohistochemical analysis of paraffin-embedded rectal cancer tissues using Cdk4 antibody with DAB staining.



ICC/IF

Immunofluorescence analysis of HeLa cells using Cdk4 antibody (green). Blue: DAPI fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

Application Notes

WB:1:200-1:2000

IHC:1:200-1:1000

ICC/IF:1:100-1:500

Additional Information

Form

Liquid

Storage Instructions

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle

Storage Buffer

Purified antibody in PBS with 0.05% sodium azide.

Note

The product is for research use only, not for use in diagnostic or therapeutic procedures.

OmnimAbs.com

order@Omnimabs.com

506 N. GARFIELD AVE #210 ALHAMBRA, CA 91801

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt

