Datasheet for ABIN7217934

anti-CDK4 antibody (N-Term)

5 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	CDK4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Cdk4 Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the N-terminal region of human Cdk4
Isotype:	IgG
Specificity:	Cdk4 Polyclonal Antibody detects endogenous levels of Cdk4 protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	CDK4

Target Details

Alternative Name:	Cdk4 (CDK4 Products)
Background:	Rabbit Anti-Cdk4 Polyclonal Antibody,CDK4, Cyclin-dependent kinase 4, Cell division protein kinase 4, PSK-J3,Cyclin-dependent kinase 4 encoded by CDK4 is a member of the Ser/Thr protein kinase family. This protein is highly similar to the gene products of S. cerevisiae cdc28 and S. pombe 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.,Cyclin-dependent kinase 4
Molecular Weight:	observerd band 35kDa
Gene ID:	1019
UniProt:	P11802
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases, Regulation of Cell Size

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:20000). Not yet tested in other applications.
Comment:	Primary Antibody
Restrictions:	For Research Use only

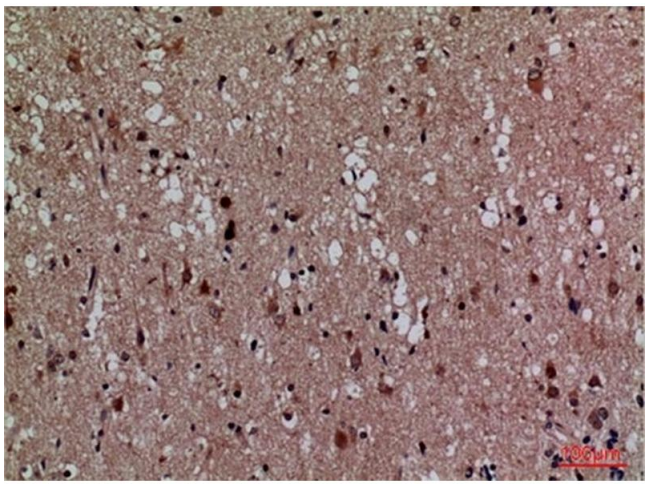
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

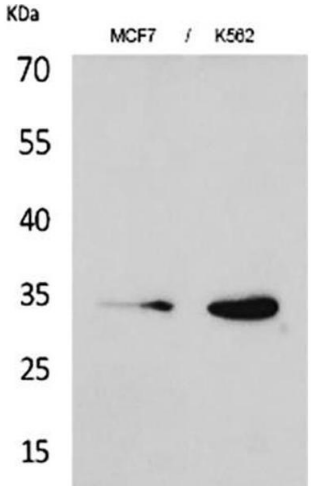
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images



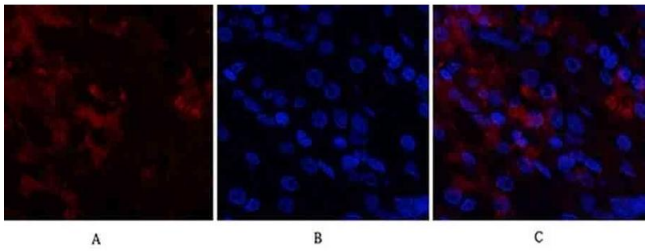
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human brain, antibody was diluted at 1:100.



Western Blotting

Image 2. Western Blot analysis of MCF7 (1), K562 (2).



Immunofluorescence

Image 3. Immunofluorescence analysis of human stomach tissue. 1, Cdk4 Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

Please check the product details page for more images. Overall 5 images are available for ABIN7217934.