

Datasheet for ABIN7254973

anti-CDK6 antibody

3 Images

[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	CDK6
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide of human CDK6
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	CDK6
Alternative Name:	CDK6 (CDK6 Products)
Background:	The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of <i>Saccharomyces cerevisiae</i> cdc28, and <i>Schizosaccharomyces pombe</i> cdc2, and are known to be important regulators of cell cycle progression. This kinase is a catalytic subunit of the protein kinase

Target Details

complex that is important for cell cycle G1 phase progression and G1/S transition. The activity of this kinase first appears in mid-G1 phase, which is controlled by the regulatory subunits including D-type cyclins and members of INK4 family of CDK inhibitors. This kinase, as well as CDK4, has been shown to phosphorylate, and thus regulate the activity of, tumor suppressor protein Rb. Expression of this gene is up-regulated in some types of cancer. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Molecular Weight: Observed_MW: 37 kDa
Calculated_MW: 36 kDa

Gene ID: 1021

UniProt: [Q00534](#)

Pathways: [Cell Division Cycle, Mitotic G1-G1/S Phases](#)

Application Details

Application Notes: WB 1:500-1:2000 IHC 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

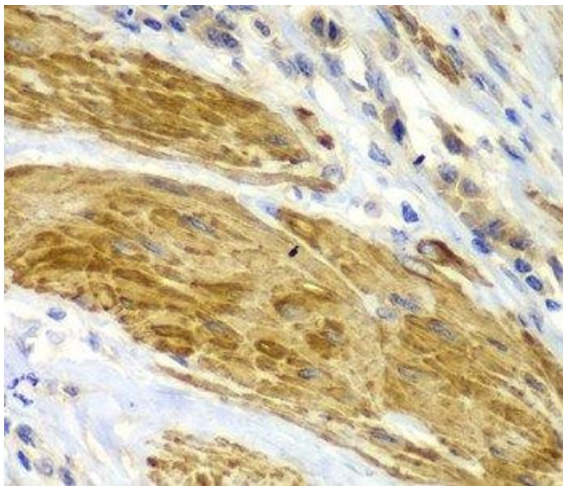
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

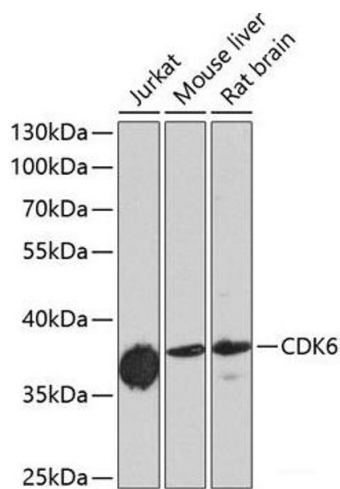
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



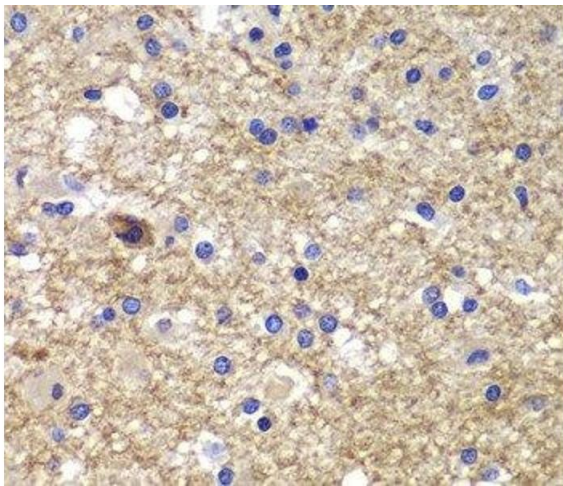
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human gastric cancer using CDK6 Polyclonal Antibody at dilution of 1:100 (40x lens).



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using CDK6 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human brain cancer using CDK6 Polyclonal Antibody at dilution of 1:100 (40x lens).