

Datasheet for ABIN3043745
anti-CDK4 antibody (AA 201-303)

4 Images

10 Publications

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Overview

Quantity:	100 µg
Target:	CDK4
Binding Specificity:	AA 201-303
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Cyclin-dependent kinase 4(CDK4) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human Cdk4 recombinant protein (Position: G201-E303). Human Cdk4 shares 94.2% amino acid (aa) sequence identity with both mouse and rat Cdk4.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Cyclin-dependent kinase 4(CDK4) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: cyclin-dependent kinase 4 Protein Name: Cyclin-dependent kinase 4
Purification:	Immunogen affinity purified.

Target Details

Target:	CDK4
Alternative Name:	CDK4 (CDK4 Products)
Background:	<p>Cyclin-dependent kinase-4 (CDK4) is a protein-serine kinase involved in the cell cycle. Human cell division is regulated primarily at the G1-to-S or the G2-to-M boundaries within the cell cycle. The complexes formed by CDK4 and the D-type cyclins are involved in the control of cell proliferation during the G1 phase. CDK4 is inhibited by p16, also known as cyclin-dependent kinase inhibitor-2. CDK4 is mapped to 12q14. And CDK4 expression and activity are required for cytokine responsiveness in T cells.</p> <p>Synonyms: Cdk 4 antibody cdk4 antibody CDK4 protein antibody CDK4_HUMAN antibody Cell division kinase 4 antibody Cell division protein kinase 4 antibody CMM 3 antibody CMM3 antibody Crk3 antibody Cyclin dependent kinase 4 antibody Cyclin-dependent kinase 4 antibody Melanoma cutaneous malignant 3 antibody MGC14458 antibody p34 cdk4 antibody PSK J3 antibody PSK-J3 antibody</p>
Gene ID:	1019
UniProt:	P11802
Pathways:	Cell Division Cycle , Mitotic G1-G1/S Phases , Regulation of Cell Size

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

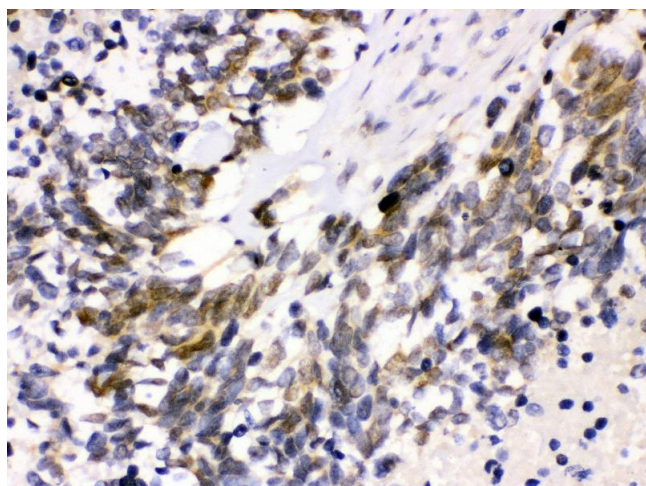
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

Product cited in:	Yu, Chen, Jiang: "Administration of pigment epithelium-derived factor delivered by adeno-associated virus inhibits blood-retinal barrier breakdown in diabetic rats." in: Molecular vision , Vol. 16, pp. 2384-94, (2011) (PubMed).
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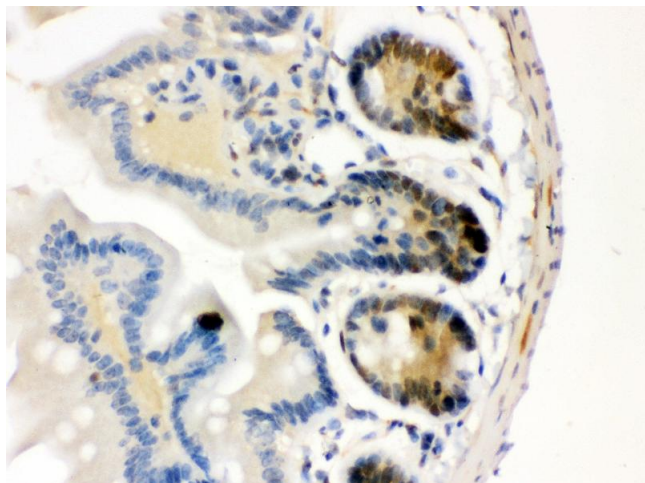
There are more publications referencing this product on: [Product page](#)

Images



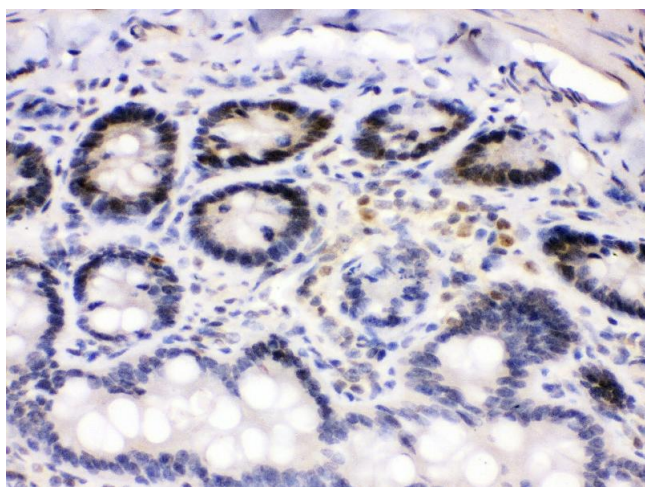
Immunohistochemistry

Image 1. Anti- Cdk4 Picoband antibody, IHC(P) IHC(P):
Human Lung Cancer Tissue



Immunohistochemistry

Image 2. Anti- Cdk4 Picoband antibody, IHC(P) IHC(P):
Mouse Intestine Tissue



Immunohistochemistry

Image 3. Anti- Cdk4 Picoband antibody, IHC(P) IHC(P): Rat
Intestine Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043745.