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Datasheet for ABIN2779310
anti-CDK4 antibody (C-Term)

4 Images

Overview

Quantity:	100 µL
Target:	CDK4
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Sheep, Pig, Dog, Cow, Rabbit, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Sequence:	PRPVQSVVPE MEESGAQLLL EMLTFNPHKR ISAFRALQHS YLHKDEGNPE
Predicted Reactivity:	Cow: 75%, Dog: 83%, Guinea Pig: 83%, Horse: 83%, Human: 100%, Pig: 92%, Rabbit: 83%, Rat: 83%, Sheep: 75%
Characteristics:	This is a rabbit polyclonal antibody against CDK4. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	CDK4
Alternative Name:	CDK4 (CDK4 Products)
Background:	Cdk4 is probably involved in the control of the cell cycle.

Target Details

Alias Symbols: CMM3, MGC14458, PSK-J3

Protein Interaction Partner: RELA, HOOK1, CDKN2D, CDKN2C, CCND3, CCND1, CDKN1A, CCNA2, FKBP5, CDC37, CDKN1B, CDK4, UBC, CDKN2B, CDKN2A, CDK13, TARDBP, CAMK1, PTMA, CDK6, RB1, HSP90AB1, HSP90AA1, HSPA8, KLHL32, TRAP1, UCHL1, SKP1, SHOX2, RBL2, RBL1, PGD, OTX2, MYC, MCM2, IL15RA, GLI1,

Protein Size: 303

Molecular Weight: 34 kDa

Gene ID: 1019

NCBI Accession: [NM_000075](#), [NP_000066](#)

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.

Comment: Antigen size: 303 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

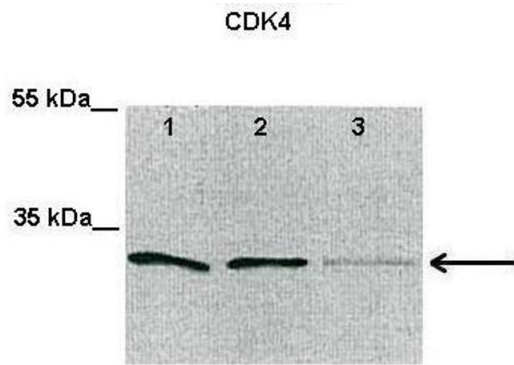
Preservative: Sodium azide

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 freeze-thaw cycles.

Storage: -20 °C

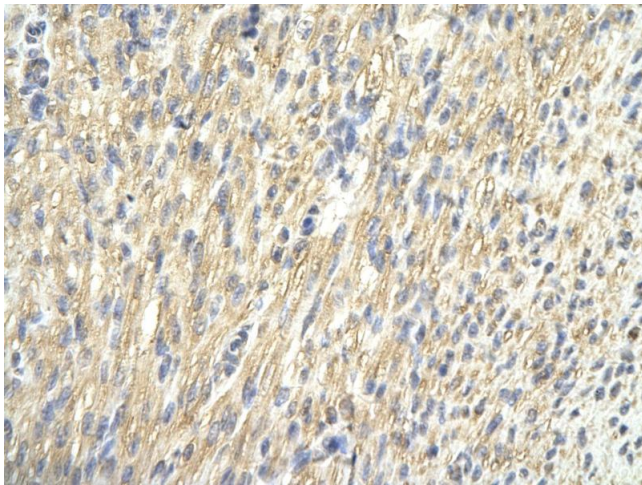
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



See Immunoblot 3 Data and Customer Feedback for more information

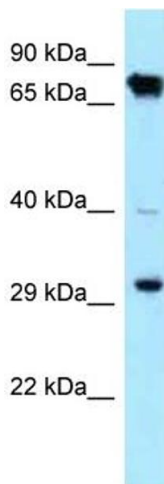
Western Blotting

Image 1. Lanes: Lane1: 30 ug untreated human HCT116 cell lysate Lane2-3: 30 ug genotoxic agent treated human HCT116 cell lysate Primary Antibody Dilution: 1:2000 Secondary Antibody: Anti-rabbit HRP Secondary Antibody Dilution: 1:5000 Gene Name: CDK4 Submitted by: Anke Rauch & Dr. Oliver Kramer, Institute for Biochemistry and Biophysics, Center for Molecular Biomedicine, Friedrich-Schiller University Jena CDK4 is supported by BioGPS gene expression data to be expressed in HCT116



Immunohistochemistry

Image 2. Rabbit Anti-CDK4 antibody Catalog Number: ARP30259_P050 Paraffin Embedded Tissue: Human Heart cell Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Western Blotting

Image 3. WB Suggested Anti-CDK4 Antibody Titration: 1.0 ug/ml Positive Control: HepG2 Whole Cell

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2779310.