

Datasheet for ABIN2780626
anti-CDK5 antibody (C-Term)

4 Images

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Overview

Quantity:	100 µL
Target:	CDK5
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Pig, Dog, Sheep, Horse, Rabbit, Guinea Pig, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CDK5
Sequence:	MYPATTSLVN VVPKLNATGR DLLQNLLKCN PVQRISAEAA LQHPYFSDFC
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Yeast: 79%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against CDK5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	CDK5
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Target Details

Alternative Name:	CDK5 (CDK5 Products)
Background:	<p>CDK5 is probably involved in the control of the cell cycle. CDK5 can interact with d1 and d3-type G1 cyclins and phosphorylate histone H1, tau, MAP2 and NF-H and NF-M. CDK5 can also interact with p35 which activates the kinase</p> <p>Alias Symbols: PSSALRE</p> <p>Protein Interaction Partner: CHFR, CCND2, CDKN1A, EGFR, UBC, DCLK3, CDK5, CCNE1, CDK5R1, CABLES1, CABLES2, STIP1, CDKN1B, CCND3, CCNB1, C2CD5, KIAA0195, FIBP, PPARG, CDK18, HSP90AB1, HSP90AA1, HIST1H1B, GLUD1, CDK3, CDC25B, CCT6A, CCNA2, CCT3, TCP1, CCT5, CDC37, CCT8, CCT2, CCT4, CCT</p> <p>Protein Size: 292</p>
Molecular Weight:	33 kDa
Gene ID:	1020
NCBI Accession:	NM_004935 , NP_004926
UniProt:	Q00535
Pathways:	Cell Division Cycle , Regulation of Muscle Cell Differentiation , Synaptic Membrane , Regulation of Cell Size , Skeletal Muscle Fiber Development , Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 292 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.

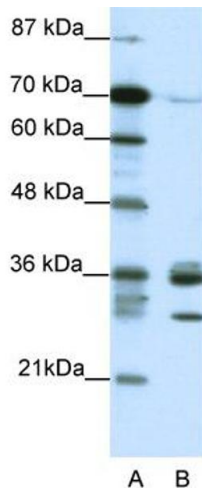
Handling

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

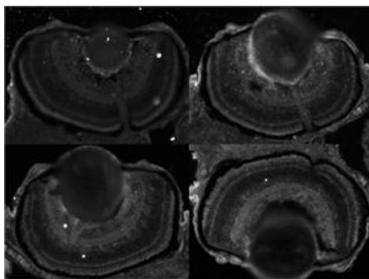
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CDK5 Antibody Titration: 1.25ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate



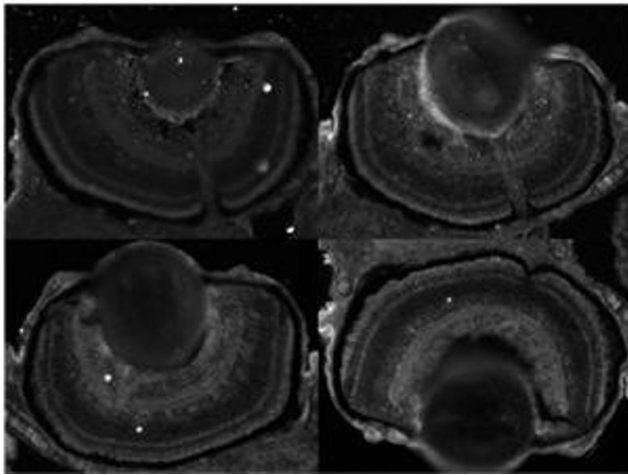
CDK5 (ARP38526)
Immunohistochemistry
Sample: Zebrafish Embryo
Dilution: 1:100, 200

Application data in forum

Submitted by:
Yuk Fai Leung
Purdue University

Immunohistochemistry

Image 2. Sample Type: Zebrafish Embryo Dilution: 1:100, 1:200



Immunohistochemistry

Image 3. Sample Type: Zebrafish Embryo Dilution: 1:100, 1:200

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2780626.