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## anti-CDK6 antibody (AA 21-110)

**Images** 



**Publications** 



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Quantity:	100 μL
Target:	CDK6
Binding Specificity:	AA 21-110
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),
	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded
	Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Flow Cytometry (FACS)

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human CDK6
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Horse
Purification:	Purified by Protein A.
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#### Target Details

Target: CDK6

### Target Details

Alternative Name:	CDK6 (CDK6 Products)
Background:	Synonyms: MCPH12, PLSTIRE, Cyclin-dependent kinase 6, Cell division protein kinase 6,
	Serine/threonine-protein kinase PLSTIRE, CDK6, CDKN6
	Background: Serine/threonine-protein kinase involved in the control of the cell cycle and
	differentiation, promotes G1/S transition. Phosphorylates pRB/RB1 and NPM1. Interacts with
	D-type G1 cyclins during interphase at G1 to form a pRB/RB1 kinase and controls the entrance
	into the cell cycle. Involved in initiation and maintenance of cell cycle exit during cell
	differentiation, prevents cell proliferation and regulates negatively cell differentiation, but is
	required for the proliferation of specific cell types (e.g. erythroid and hematopoietic cells).
	Essential for cell proliferation within the dentate gyrus of the hippocampus and the
	subventricular zone of the lateral ventricles. Required during thymocyte development.
	Promotes the production of newborn neurons, probably by modulating G1 length. Promotes, a
	least in astrocytes, changes in patterns of gene expression, changes in the actin cytoskeleton
	including loss of stress fibers, and enhanced motility during cell differentiation. Prevents
	myeloid differentiation by interfering with RUNX1 and reducing its transcription transactivation
	activity, but promotes proliferation of normal myeloid progenitors. Delays senescence.
	Promotes the proliferation of beta-cells in pancreatic islets of Langerhans. May play a role in
	the centrosome organization during the cell cycle phases (PubMed:23918663).
Gene ID:	1021
UniProt:	Q00534
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

#### Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	

Product cited in:

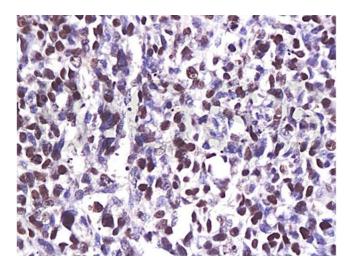
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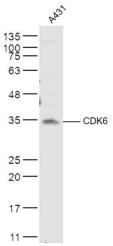
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#### **Immunohistochemistry**

**Image 1.** Formalin-fixed and paraffin embedded human breast carcinoma labeled with Anti-CDK6 Polyclonal Antibody (ABIN670236), Unconjugated at 1:200, followed by conjugation to the secondary antibody and DAB staining



**Image 2.** A431 lysates probed with CDK6 Polyclonal Antibody, Unconjugated at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.