

CDK6 Rabbit pAb

CatalogNo: YT5884

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC, IF, ELISA

MW

- 34kD (Observed)

Isotype

- IgG

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-200

ELISA 1:10000-20000

IF 1:50-200

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthetic peptide from human protein at AA range: 280-325

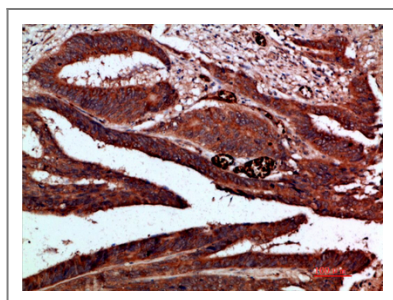
Specificity

The antibody detects endogenous Cdk6

Target Information

Gene name	CDK6 CDKN6		
Protein Name	Cyclin-dependent kinase 6 (Cell division protein kinase 6) (Serine/threonine-protein kinase PLSTIRE)		
	Organism	Gene ID	UniProt ID
	Human	1021 ;	Q00534 ;
	Mouse	12571 ;	Q64261 ;
Cellular Localization	Cytoplasm. Nucleus. Cell projection, ruffle. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Localized to the ruffling edge of spreading fibroblasts. Kinase activity only in nucleus. Localized to the cytosol of neurons and showed prominent staining around either side of the nucleus (By similarity). Present in the cytosol and in the nucleus in interphase cells and at the centrosome during mitosis from prophase to telophase (PubMed:23918663). .		
Tissue specificity	Expressed ubiquitously. Accumulates in squamous cell carcinomas, proliferating hematopoietic progenitor cells, beta-cells of pancreatic islets of Langerhans, and neuroblastomas. Reduced levels in differentiating cells.		
Function	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,Function:Probably involved in the control of the cell cycle. Interacts with D-type G1 cyclins.,polymorphism:Genetic variations in CDK6 influences stature as a quantitative trait type 11 (STQTL11) [MIM:612223]. Adult height is an easily observable and highly heritable complex continuous trait. Because of this, it is a model trait for studying genetic influence on quantitative traits.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.,similarity:Contains 1 protein kinase domain.,		

Validation Data



Immunohistochemical analysis of paraffin-embedded human-colon-cancer, antibody was diluted at 1:200

Contact information

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