

CDK6 (PT0069R) Rabbit mAb

CatalogNo: YM8037 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB,IHC,IF,ELISA

MW

- 37kD (Calculated)
- 37kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:200-1000**WB 1:1000-5000****IF 1:200-1000****ELISA 1:5000-20000**

Basic Information

Clonality Monoclonal**Clone Number** PT0069R

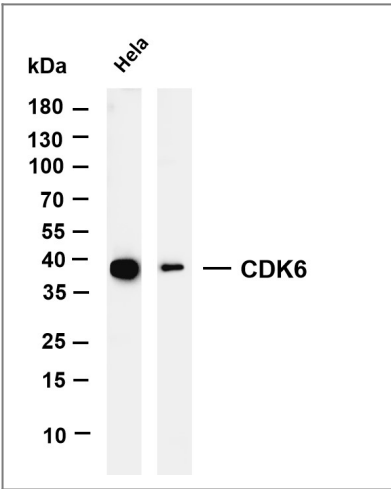
Immunogen Information

Immunogen The specific immunogen used to produce this antibody is proprietary information.**Specificity** Endogenous

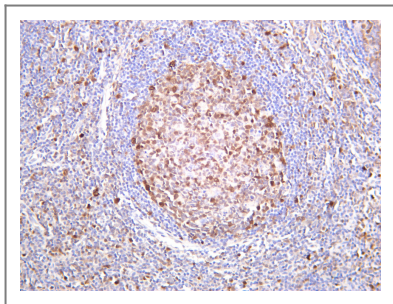
Target Information

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	Nuclear		
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. ,		

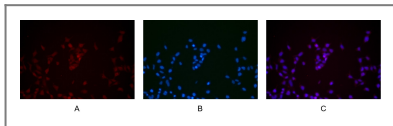
Validation Data



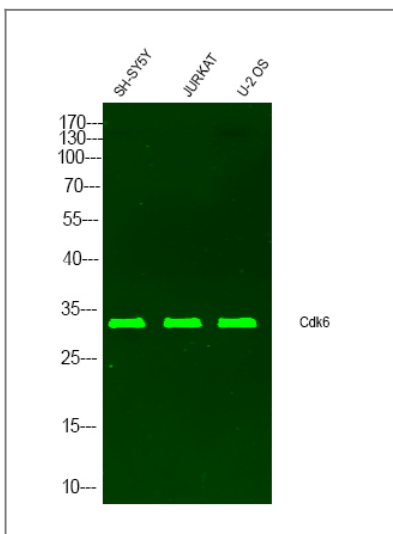
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CDK6 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: Jurkat Lane 3: K562 Predicted band size: 37kDa Observed band size: 37kDa



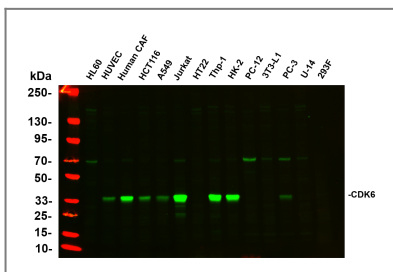
Human tonsil was stained with Anti-CDK6 rabbit antibody



Immunofluorescence analysis of HEK293. Picture A: CDK6 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B



Western Blot analysis of various cell lysis. Primary Antibody was diluted at 1:1000. Secondary antibody (catalog#:RS23920) was diluted at 1:10000



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C over night with a 1:2500 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody (Cat:RS23920) was used to detect the antibody. Lane1: HL60 - Human promyelocytic leukemia cell Lane2: HUVEC - Human umbilical vein endothelial cell Lane3: Human CAF - Human cancer-associated fibroblast Lane4: HCT116 - Human colorectal carcinoma Lane5: A549 - Human lung carcinoma Lane6: Jurkat - Human T lymphocyte leukemia Lane7: HT22 - Mouse hippocampal neuronal Lane8: Thp-1 - Human monocytic leukemia Lane9: HK-2 - Human proximal tubular epithelial Lane10: PC-12 - Rat adrenal pheochromocytoma Lane11: 3T3-L1 - Mouse embryonic fibroblast cells Lane12: PC-3 - Human prostate adenocarcinoma Lane13: U-14 - Mouse cervical carcinoma Lane14: 293F - HEK293 derivative, adapted for suspension culture Predicted band size: 37kDa Observed band size: 37kDa

Contact information

Orders: order@immunoway.com
 Support: tech@immunoway.com
 Telephone: 877-594-3616 (Toll Free), 408-747-0185
 Website: <http://www.immunoway.com>
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
CDK6 (PT0069R)
Rabbit mAb

