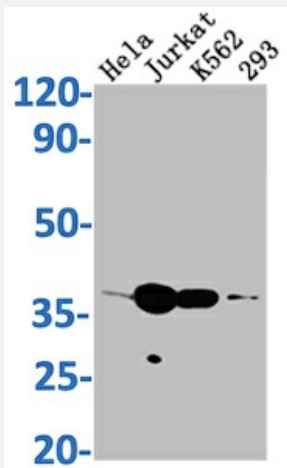


RecomAb™

CDK6 recombinant monoclonal antibody, clone 8G3

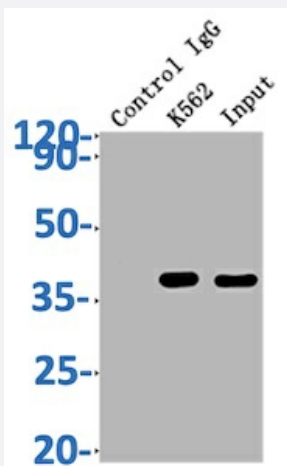
Catalog # RAB04017 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: HeLa whole cell lysate; Lane 2: Jurkat whole cell lysate; Lane 3: K562 whole cell lysate; Lane 4: 293 whole cell lysate.



Immunoprecipitation

Immunoprecipitating CDK6 in K562 whole cell lysate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CDK6.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human CDK6.

Reactivity	Human
Form	Liquid
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunoprecipitation(1:200-1:1000) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: Hela whole cell lysate; Lane 2: Jurkat whole cell lysate; Lane 3: K562 whole cell lysate; Lane 4: 293 whole cell lysate.

- Immunoprecipitation

Immunoprecipitating CDK6 in K562 whole cell lysate.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CDK6

Entrez GeneID	1021
Protein Accession#	Q00534
Gene Name	CDK6
Gene Alias	MGC59692, PLSTIRE, STQTL11
Gene Description	cyclin-dependent kinase 6

Omim ID [603368](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *Saccharomyces cerevisiae* cdc28, and *Schizosaccharomyces pombe* cdc2, and are known to be important regulators of cell cycle progression. This kinase is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression and G1/S transition. The activity of this kinase first appears in mid-G1 phase, which is controlled by the regulatory subunits including D-type cyclins and members of INK4 family of CDK inhibitors. This kinase, as well as CDK4, has been shown to phosphorylate , and thus regulate the activity of, tumor suppressor protein Rb. [provided by RefSeq]

Other Designations cell division protein kinase 6

Pathway

- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Glioma](#)
- [Melanoma](#)
- [Non-small cell lung cancer](#)
- [p53 signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)

- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Head and Neck Neoplasms](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Precancerous Conditions](#)
- [Recurrence](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Wegener Granulomatosis](#)