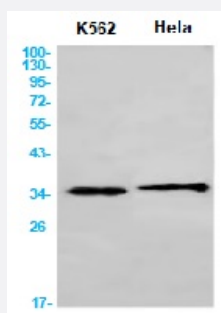


RecomAb™

CDK1 recombinant monoclonal antibody, clone R05-6I8

Catalog # RAB01516 Size 100 uL

Applications



Western Blot

Western blot analysis of CDK1 in K562, HeLa lysates using human CDK1 recombinant monoclonal antibody, clone R05-6I8 (Cat # RAB01516).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human CDK1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CDK1
Theoretical MW (kDa)	Calculated MW: 34 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C for short term. For long term storage store at -20°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 CDK1 in K562, HeLa lysates using human CDK1 recombinant monoclonal antibody, clone R05-618 (Cat # RAB01516).

- Immunoprecipitation

Gene Info — CDC2

Entrez GeneID[983](#)**Protein Accession#**[P06493](#)**Gene Name**

CDC2

Gene Alias

CDC28A, CDK1, DKFZp686L20222, MGC111195

Gene Description

cell division cycle 2, G1 to S and G2 to M

Omim ID[116940](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000019660|cell cycle controller CDC2|cell division control protein 2 homolog|cell division cycle 2 protein|cyclin-dependent kinase 1|p34 protein kinase

Pathway

- [Cell cycle](#)
- [Gap junction](#)
- [p53 signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Dementia](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)