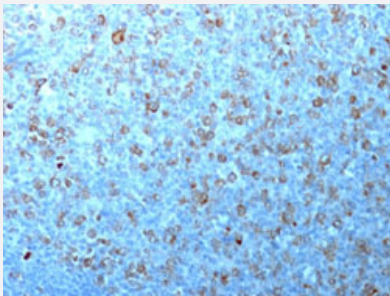


# CDK1 monoclonal antibody, clone CDK1/873

Catalog # MAB13226      Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil using CDK1 monoclonal antibody, clone CDK1/873 (Cat # MAB13226).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against full length recombinant human CDK1.
<b>Immunogen</b>	Recombinant protein corresponding to full length human CDK1.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	34
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein A/G purification
<b>Isotype</b>	IgG2a, kappa
<b>Recommend Usage</b>	Flow Cytometry (0.5-1 ug/million cells in 0.1 mL) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 10 mM PBS.

**Storage Instruction**

Store at -20 to -80°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil using CDK1 monoclonal antibody, clone CDK1/873 (Cat # MAB13226).

- Immunofluorescence
- Flow Cytometry

## 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](#)