

DNAxPAb

Hard-to-Find  
Antibody

# CDC2 DNAxPab

Catalog # H00000983-W01P

Size 200 ug

## Specification

**Product Description** Rabbit polyclonal antibody raised against a full-length human CDC2 DNA using DNAx™ Immune technology.

**Technology** [DNAx™ Immune](#)

**Immunogen** Full-length human DNA

**Sequence** MEDYTKIEKIGEGTYGVVYKGRHKTTGQVVAMKKIRLESEEEGVPSTAIRESLLKELRHPNIVSLQD  
VLMQDSRLYLIFEFLSMDLKKYLD SIPP GQYMDSSLVKS YLQILQGMV FCHSRRVLHRDLKPQNLLI  
DDKGTIKLADFG LARAFGIPIRVYTHEVVT LWYRSPEVLLGSARYSTPVDIWSIGTIFAE LATKKPLFH  
GDSEIDQLFRIFRALGTPNNEVWPEVESLQDYKNTFPKWKPGSLASHVKNLDENGLDLLSKMLIY  
DPAKRISGKMALNHPYFNDLDN QIKKM

**Host** Rabbit

**Reactivity** Human

**Purification** Protein A

**Quality Control Testing** Antibody reactive against mammalian transfected lysate.

**Storage Buffer** In 1x PBS, pH 7.4

**Storage Instruction** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — CDC2

Entrez GeneID	<a href="#">983</a>
GeneBank Accession#	<a href="#">NM_001786.2</a>
Protein Accession#	<a href="#">NP_001777.1</a>
Gene Name	CDC2
Gene Alias	CDC28A, CDK1, DKFZp686L20222, MGC111195
Gene Description	cell division cycle 2, G1 to S and G2 to M
Omim ID	<a href="#">116940</a>
Gene Ontology	<a href="#">Hyperlink</a>
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](#)