

## Cyclin D2 (Phospho Thr280) Rabbit pAb

CatalogNo: YP0467 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 40kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**ELISA 1:10000**

**IF 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human Cyclin D2 around the phosphorylation site of Thr280. AA range:240-289

**Specificity**

Phospho-Cyclin D2 (T280) Polyclonal Antibody detects endogenous levels of Cyclin D2 protein only when phosphorylated at T280. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):AStPT

**| Target Information**

**Gene name** CCND2

**Protein Name** G1/S-specific cyclin-D2

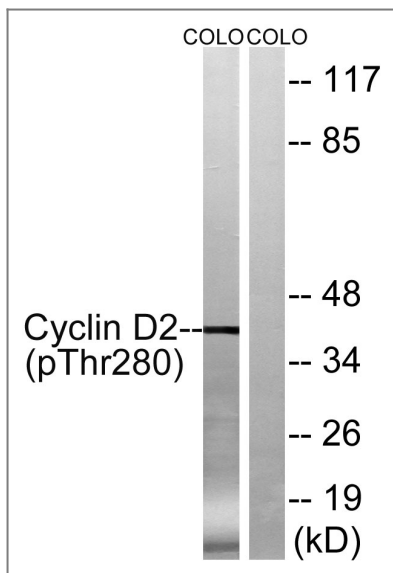
Organism	Gene ID	UniProt ID
Human	<a href="#">894;</a>	<a href="#">P30279;</a>
Mouse	<a href="#">12444;</a>	<a href="#">P30280;</a>
Rat	<a href="#">64033;</a>	<a href="#">Q04827;</a>

**Cellular Localization** Nucleus . Cytoplasm . Nucleus membrane . Cyclin D-CDK4 complexes accumulate at the nuclear membrane and are then translocated into the nucleus through interaction with KIP/CIP family members. .; [Isoform 2]: Cytoplasm .

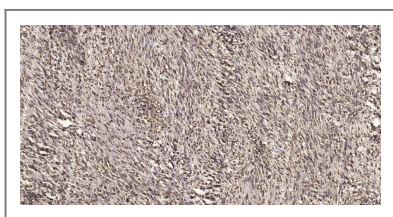
**Tissue specificity** Bone marrow ,Heart ,Placenta ,Uterus ,

**Function** Function:Essential for the control of the cell cycle at the G1/S (start) transition. ,similarity:Belongs to the cyclin family. ,similarity:Belongs to the cyclin family. Cyclin D subfamily. ,subunit:Interacts with the CDK4 and CDK6 protein kinases to form a serine/threonine kinase holoenzyme complex. The cyclin subunit imparts substrate specificity to the complex. ,

**| Validation Data**



Western blot analysis of lysates from COLO205 cells treated with EGF 200ng/ml 30', using Cyclin D2 (Phospho-Thr280) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200 (4°C overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval (>98°C,20min). 3,Secondary antibody was diluted at 1:200

## Contact information

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**Cyclin D2 (Phospho Thr280) Rabbit pAb**

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