

For Research Use Only

# Cyclin D1 Polyclonal antibody

Catalog Number: 10438-1-AP

41 Publications



## Basic Information

Catalog Number:

10438-1-AP

Size:

150ul, Concentration: 220 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0689

GenBank Accession Number:

BC000076

GeneID (NCBI):

595

UNIPROT ID:

P24385

Full Name:

cyclin D1

Calculated MW:

295 aa, 34 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat, zebrafish

Cited Species:

human, mouse, rat

## Background Information

CCND1 (cyclin D1), also known as PRAD1 or BCL1, belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. CCND1 forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. The CCND1 gene, located on 11q13 has been reported to be overexpressed in mantle cell lymphoma (MCL) due to the chromosomal translocation. CCND1 has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Over-expression of CCND1 is known to correlate with the early onset of cancer and risk of tumor progression and metastasis.

## Notable Publications

| Author     | Pubmed ID | Journal         | Application |
|------------|-----------|-----------------|-------------|
| Qing Tong  | 36068629  | Cancer Cell Int | WB          |
| Zhuan Song | 36181623  | Inflammation    | WB          |
| Minglu Liu | 36467051  | Front Pharmacol | WB          |

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

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