

Cyclin D2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02351
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CCND2. AA range:240-289
Mol wt	33067
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Cyclin D2 Antibody
Synonyms	CCND2; G1/S-specific cyclin-D2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by CCND2 (cyclin D2) belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with CDK4 or CDK6 and functions as a regulatory subunit of the complex, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with and be involved in the phosphorylation of tumor suppressor protein Rb. Knockout studies of the homologous gene in mouse suggest the essential roles of this gene in ovarian granulosa and germ cell proliferation. High level expression of CCND2 was observed in ovarian and testicular tumors. Mutations in CCND2 are associated with megalencephaly-polymicrogyria-polydactyly-hydrocephalus syndrome 3 (MPPH3).

Recommended Dilution

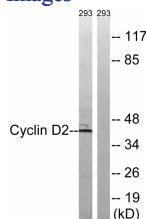
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

ELISA: 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of lysates from 293 cells, using Cyclin D2 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

