



CCND2 peptide (DAG-P1490)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene 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 and functions as a regulatory subunit of CDK4 or CDK6, 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 this gene was observed in ovarian and testicular tumors. [provided by RefSeq, Oct 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the cyclin family. Cyclin D subfamily. Contains 1 cyclin N-terminal domain.
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	CCND2 cyclin D2 [Homo sapiens (human)]
Official Symbol	CCND2
Synonyms	CCND2; cyclin D2; KIAK0002; G1/S-specific cyclin-D2; G1/S-specific cyclin D2;
Entrez Gene ID	894

mRNA Refseq	NM_001759.3
Protein Refseq	NP_001750.1
UniProt ID	P30279
Chromosome Location	12p13
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Cyclin D associated events in G1, organism-specific biosystem; DNA damage response, organism-specific biosystem; DNA damage response (only ATM dependent), organism-specific biosystem; Focal Adhesion, organism-specific biosystem; F
Function	protein binding; protein kinase binding;