

Cyclin D1 Rabbit Polyclonal Antibody

Catalog No: #53205

Package Size: #53205-1 50ul #53205-2 100ul

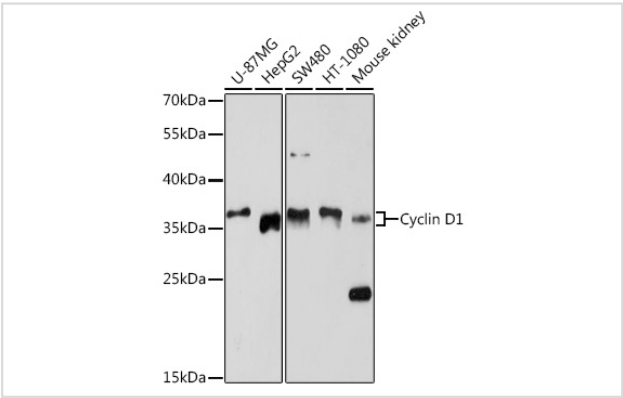
Description

Product Name	Cyclin D1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human Cyclin D1 (NP_444284.1).
Conjugates	Unconjugated
Other Names	BCL1;D11S287E;PRAD1;U21B31;CCND1;Cyclin D1;cyclin D1
Accession No.	Swiss Prot:P24385Gene ID:595
Calculated MW	33kDa
SDS-PAGE MW	37kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

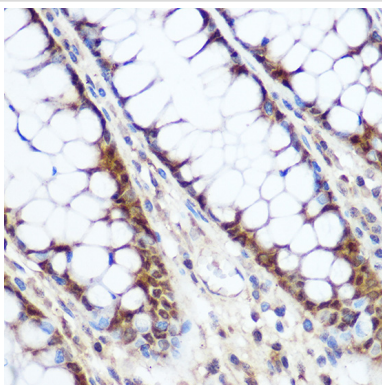
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200IF 1:50 - 1:200

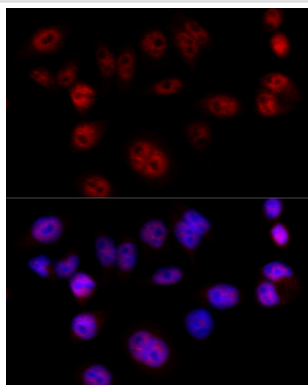
Images



Western blot analysis of extracts of various cell lines, using Cyclin D1 antibody.



Immunohistochemistry of paraffin-embedded human colon using Cyclin D1 Rabbit pAb.



Immunofluorescence analysis of HeLa cells using Cyclin D1 antibody.

Background

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout 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 tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of tumors and may contribute to tumorigenesis.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.