Cyclin D1 Polyclonal Antibody

Catalog Number:E-AB-64003 1 Publications

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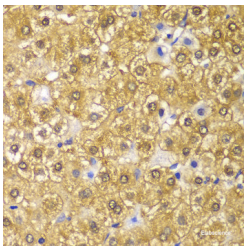
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

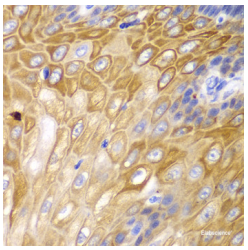
Reactivity	Human,Rat
Immunogen	Recombinant fusion protein of human Cyclin D1 (NP_444284.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications	Recommended Dilution
IHC	**1:50-1:100**

Data



Immunohistochemistry of paraffin-embedded Human liver cancer using Cyclin D1 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human esophagus using Cyclin D1 Polyclonal Antibody at dilution of 1:100 (40x lens).

Preparation & Storage

Storage	Store at -20°C. Avoid freeze / thaw cycles.

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.