

Cyclin D1 polyclonal antibody

Catalog: BS90356

Host: Rabbit

Reactivity: Human,mouse,rat

Background:

Cyclins function as regulators of CDKs (Cyclin-dependent kinase). 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. Cyclin D1 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. Immunohistochemical staining of cyclin D1 antibodies is used to diagnose mantle cell lymphoma. Cyclin D1 has been found to be overexpressed in breast carcinoma. Its potential use as a biomarker was suggested.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

36kDa

Swiss-Prot:

P25322

Purification&Purity:

Peptide affinity purified

Applications:

WB:1:2,000-1:5,000

IHC:1:200

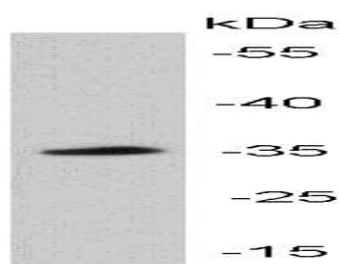
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

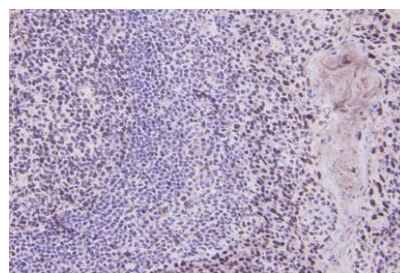
Specificity:

Cyclin D1 polyclonal antibody detects endogenous levels of Cyclin D1 protein.

DATA:



Western blot analysis of cyclin D1 on mouse brain tissue lysates using anti-Cyclin D1 antibody at 1/5000 dilution. Positive control: mouse brain



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Cyclin D1 antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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