

Cyclin D1 Recombinant antibody

Cat:B32064R
Company: Haokebio

Uniprot ID:P24385

Applications: IHC:1:100-1:200

Organism:Rabbit

IHC-Polymer:1:400-1:800

Species reactivity:Human

TSA:1:500-1:1000

Background:

Cyclin D1 (also known as: PRAD1, parathyroid adenoma 1, CCND1) is a protein of approximately 36 kDa composed of 295 amino acids, and it belongs to the highly conserved Cyclin family. This protein is localized in the cell nucleus, and its expression level is associated with the cell cycle—with the highest expression level in the G1 phase and the lowest in the S phase. In normal tissues, the expression of Cyclin D1 is restricted to the proliferative zones of epithelial tissues, endothelial cells, and some fibroblasts; no expression is observed in lymphoid tissues. Abnormalities in cell cycle progression caused by mutation-induced Cyclin D1 gene amplification and protein overexpression have been observed in a variety of tumors, which may contribute to tumorigenesis. In diagnostic pathology, immunohistochemical detection of Cyclin D1 is mainly used for the diagnosis of mantle cell lymphoma (MCL). While other detection methods for Cyclin D1 are being explored, immunohistochemistry (IHC) remains widely applied, and anti-Cyclin D1 antibodies remain an important component in the diagnosis of small B-cell lymphoproliferative disorders.

Protein full name:

cyclin D1

Synonyms:

CCND1, 2G3G5, B cell lymphoma 1 protein, B-cell lymphoma 1 protein, BCL-1

Immunogen:

Peptide

Isotype:

IgG

Subcellular location:

Nucleus

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

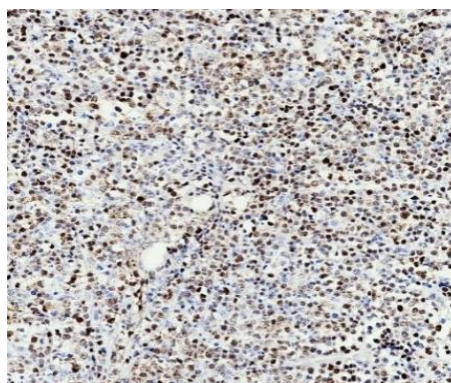
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Human lymphoma tissue, 4% PFA 12-24h

Source of Reagents:

发表[中文论文]请标注:Cyclin D1(B32064R)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:Cyclin D1(B32064R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.