

Cyclin L1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02360
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Cyclin L1. AA range:461-510
Mol wt	59634
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Cyclin L1 Antibody
Synonyms	CCNL1; BM-001; Cyclin-L1; Cyclin-L

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Cell proliferation is controlled at specific stages of the cell cycle by distinct protein kinase complexes. These complexes consist of a catalytic subunit associating with a specific regulatory subunit to form the active kinase. The cyclins, which include cyclin A, B, C, D, E, F, G, H, I, K, L, T and their related proteins, including Dbf4, comprise the regulatory subunits of these kinase complexes. The controlled activation of the kinase complexes at various intervals of the cell cycle is regulated by the availability of the cyclins to the catalytic subunit. Unlike the catalytic subunit, which is expressed continually, the expression and stability of the regulatory subunit fluctuates depending on the stage of the cell cycle and, thereby, regulates the kinase activity. Cyclin L1 is a ubiquitously expressed nuclear protein that can be detected in higher levels in thymus. In neck and head squamous cell carcinomas, cyclin L1 can be overexpressed and is therefore often considered a proto-oncogene. It interacts with POLR2A, CDC2L and SFRS2. Cyclin L1 plays a role in the mRNA splicing process regulation.

Recommended Dilution

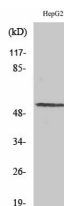
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

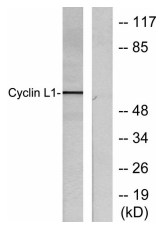
ELISA: 1: 10000

Not yet tested in other applications.

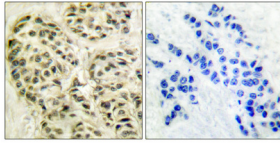
Images



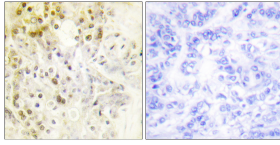
Western Blot analysis of various cells using Cyclin L1 Polyclonal Antibody diluted at 1:1000 cells nucleus.



Western blot analysis of lysates from HepG2 cells, using Cyclin L1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Cyclin L1 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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