Datasheet for ABIN6656457

anti-Cyclin-L1 (CCNL2) antibody

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Overview

Quantity:	500 µg
Target:	Cyclin-L1 (CCNL2)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blotting (WB)

Product Details

Purpose:	Cyclin L1/L2 Antibody
Immunogen:	This Protein A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic construct consisting of full length Human Cyclin L1b protein.
Isotype:	IgG
Cross-Reactivity (Details):	This antibody will react with all forms of Cyclin L b (cyclin L1b and cyclin L2b).
Purification:	The product was purified from monospecific antiserum by Protein A chromatography.

Target Details

Target:	Cyclin-L1 (CCNL2)
Alternative Name:	CCNL1, CCNL2
Background:	Synonyms: rabbit anti-Cyclin L1/L2 Antibody, rabbit anti-Cyclin L1 Antibody, rabbit anti-Cyclin L2 Antibody, Cyclin L beta, CCNL1, CCNL2, Paneth cell-enhanced expression protein Background: Cyclin L (also referred to as CCNL) is encoded by two highly related genes Cyclin

Target Details

	L1 and Cyclin L2 (CCNL1 and CCNL2, respectively). Cyclin L has been shown to associate with the PITSLRE kinase and is involved in pre-mRNA processing. Both Cyclin L gene products can be alternatively spliced to produce two isoforms (known as 1 and 2 or alpha and beta). Cyclin L2 is ubiquitous, expressed at much higher levels than Cyclin L1, and thus is likely the major partner for the CDK11p110 protein kinase. Gene Name: CCNL1, CCNL2
Gene ID:	57018
NCBI Accession:	NP_064703
UniProt:	Q9UK58

Application Details

Application Notes:	Immunoprecipitation_Dilution: 1:100 ELISA_Dilution: 1:5,000 - 1:25,000 Immunohistochemistry_Dilution: 2 mg/mL - 20 µg/mL Western_Blot_Dilution: 1:1,000 - 1:5,000 Other: User Optimized
Comment:	This Protein A purified antibody has been tested for use in ELISA, western blot, immunohistochemistry, and immunoprecipitation. Specific conditions for reactivity should be optimized by the end user. Expect a band ~ 25 kDa to 35 kDa in size corresponding to Cyclin L1b and Cyclin L2b by western blotting in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 100 µL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

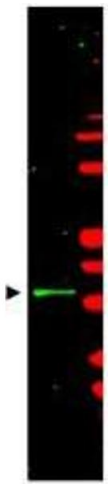
Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Publications

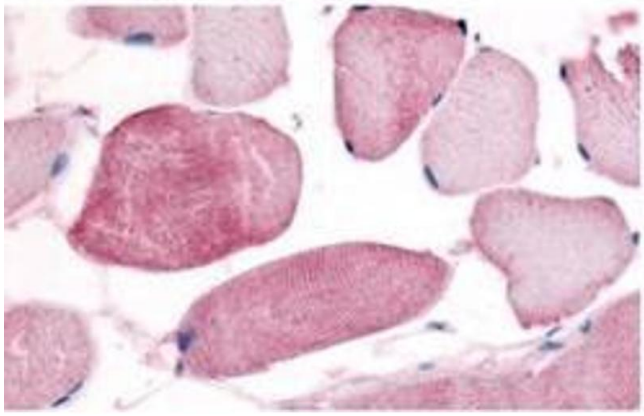
Product cited in:	Loyer, Trembley, Katona, Kidd, Lahti: "Role of CDK/cyclin complexes in transcription and RNA splicing." in: **Cellular signalling**, Vol. 17, Issue 9, pp. 1033-51, (2005) (PubMed).

Images



Western Blotting

Image 1. Anti-Cyclin L1/L2ß Antibody - Western Blot. Western blot using Protein A Purified anti-Cyclin L1/L2ß antibody shows detection of a band ~35 kDa corresponding to Cyclin L ß(arrowhead) present in mouse brain whole cell lysate (800 nm channel - green). Marker proteins appear red (700 nm channel) and were used for molecular weight comparisons. Approximately 35 µg of lysate was separated by 4-20% SDS-PAGE followed by transfer to nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:2,500 for 2h at room temperature followed by washes and reaction with a 1:10,000 dilution of800 conjugated Gt-a-Rabbit IgG [H&L] MX for 45 min at room temperature.800 fluorescence image was captured using the Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



Immunohistochemistry

Image 2. Anti-Cyclin L1/L2 (isoform 2) Antibody - Immunohistochemistry Affinity Purified anti- Cyclin L1/L2 (isoform 2) antibody was used at a 10 µg/ml to detect cyclin L in a variety of tissues including breast, kidney, liver, lung, skeletal muscle, pancreas, prostate and spleen. In some tissues elevated background staining was noted. In these instances further optimization of dilution is suggested. This image shows Cyclin L staining of human skeletal muscle. Tissue was formalin-fixed and paraffin embedded. Personal Communication, Tina Roush, LifeSpanBiosciences, Seattle, WA.