Datasheet for 200-401-890

Cyclin L1/L2 Antibody

Overview

Description:	Anti-Cyclin L1/L2 (isoform 2) (RABBIT) Antibody - 200-401-890
Item No.:	200-401-890
Size:	500 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Cyclin L (also referred to as CCNL) is encoded by two highly related genes Cyclin 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.
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
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CCNL1, CCNL2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein
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.

Purity/Specificity:	The product was purified from monospecific antiserum by Protein A chromatography. This antibody will react with all forms of Cyclin L b (cyclin L1b and cyclin L2b). Cross reactivity with Cyclin L beta proteins from other sources is unknown.
Relevant Links:	• UniProtKB - Q9UK58 • NCBI - NP_064703.1 • GeneID - 57018

Application Details

Tested Applications:	IHC, WB
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:25,000
IHC:	2 mg/ml - 20 µg/ml
IP:	1:100
WB:	1:1,000 - 1:5,000

Formulation

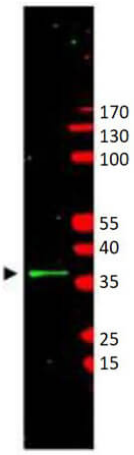
Physical State:	Lyophilized
Concentration:	5.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

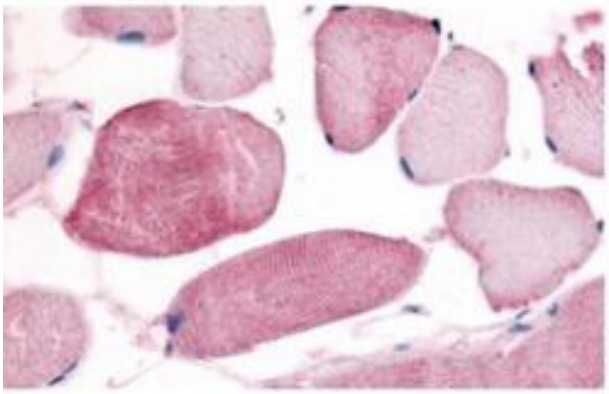
Shipping Condition:	Ambient

Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western blot of Anti-Cyclin L1/L2ß antibody. Lane 1: mouse brain whole cell lysate (p/n W10-000-T004) [35µg] (800 nm channel - green). Marker proteins appear red (700 nm channel). Primary Antibody: Anti-Cyclin L1/L2ß at 1:2,500 for 2h at room temperature. Secondary Antibody: 1:10,000 dilution of IRDye™800 conjugated Gt-a-Rabbit IgG [H&L] MX (p/n 611-132-122) for 45 min at room temperature. Block: (p/n MB-070) Buffer. Imaging: captured using the Odyssey® Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



Immunohistochemistry
Rockland's 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.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.