

Rabbit Cyclin L1 Polyclonal Antibody | anti-CCNL1 antibody

Cyclin L1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320877	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

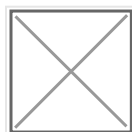
PRODUCT SYNONYMS

Cyclin L1; Polyclonal Antibody; Cyclin L1 Antibody; Ania 6a; CCNL1; CCNL1_HUMAN; Cyclin L; Cyclin L gamma; Cyclin-L; Cyclin-L1; anti-CCNL1 antibody

PRODUCT SPECIFICATIONS

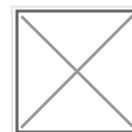
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Cyclin L1 antibody detects endogenous levels of total Cyclin L1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	428
Applicable Applications for anti-CCNL1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cyclin L1
Subcellular Location	Nucleus Speckle. More specifically found in nuclear intrachromatin granules clusters (IGC), also called nuclear speckles, which are storage compartments for nuclear proteins involved in mRNA processing.
Tissue Specificity	Widely expressed. Overexpression in primary tumors of head and neck squamous cell carcinomas (HNSCC).
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis on HepG2 cell lysate using Cyclin L1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA320877 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on mouse brain lysate using Cyclin L1 Antibody



IHC (Immunohistochemistry)

AAA320877 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CCNL1 antibody

Description: CCNL1 cyclin L1, a member of the cyclin family. Associates with the PITSLRE kinase and is involved in pre-mRNA processing.

Function: Involved in pre-mRNA splicing. Functions in association with cyclin-dependent kinases (CDKs) (PubMed:18216018). Inhibited by the CDK-specific inhibitor CDKN1A/p21 (PubMed:11980906). May play a role in the regulation of RNA polymerase II (pol II). May be a candidate proto-oncogene in head and neck squamous cell carcinomas (HNSCC) (PubMed:12414649, PubMed:15700036).

Subunit Structure: Interacts with POLR2A via its hyperphosphorylated C-terminal domain (CTD) (By similarity). Interacts with CDK11A, CDK12 and CDK13 (PubMed:11980906, PubMed:18216018). Isoforms 1 and 2, but not isoform 3, interact with CDK11B. May form a ternary complex with CDK11B and casein kinase II (CKII) (PubMed:18216018). Interacts with pre-mRNA-splicing factors, including at least SRSF1, SRSF2 AND SRSF7/SLU7 (PubMed:11980906, PubMed:18216018).

Similarity: Contains a RS region (arginine-serine dipeptide repeat) within the C-terminal domain which is the hallmark of the SR family of splicing factors. This region probably plays a role in protein-protein interactions. Belongs to the cyclin family. Cyclin L subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	815891011
NCBI GeneID	57018
NCBI Accession #	NP_001295114.1
NCBI GenBank Nucleotide #	NM_001308185.1
UniProt Accession #	Q9UK58; Q6NVY9; Q6UWS7; Q8NI48; Q96QT0; Q9NZF3; B3KMY3; C9JPL0
Molecular Weight	Observed: 60 kDa Predicted: 60 kDa
NCBI Official Full Name	cyclin-L1 isoform 2
NCBI Official Synonym Full Names	cyclin L1
NCBI Official Symbol	CCNL1
NCBI Official Synonym Symbols	ANIA6A; BM-001; PRO1073; ania-6a
NCBI Protein Information	cyclin-L1
UniProt Protein Name	Cyclin-L1
UniProt Gene Name	CCNL1
UniProt Synonym Gene Names	Cyclin-L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyclin-l1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320877>