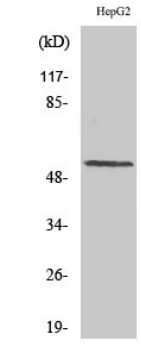
Cyclin L1 Polyclonal Antibody

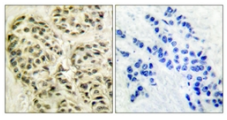
Catalog No	YP-Ab-16733
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CCNL1
Protein Name	Cyclin-L1
Immunogen	The antiserum was produced against synthesized peptide derived from human Cyclin L1. AA range:461-510
Specificity	Cyclin L1 Polyclonal Antibody detects endogenous levels of Cyclin L1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CCNL1; BM-001; Cyclin-L1; Cyclin-L
Observed Band	60kD
Cell Pathway	Nucleus speckle . Nucleus, nucleoplasm . 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).
Function	alternative products:Ccnl1 is an immediate-early gene with independently regulated isoforms,domain: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.,function:Transcriptional regulator which participates in regulating the pre-mRNA splicing process. Seems to be involved in the regulation of RNA polymerase II (pol II). Functions in association with cyclin-dependent kinases (CDKs) and has a role in the second step of splicing. May be a candidate proto-oncogene in head and neck squamous cell carcinomas (HNSCC). Inhibited by the CDK-specific inhibitor p21.,miscellaneous:CCNL1 is amplified in several HNSCC. May play a critical role in the formation of loco-regional metastases and an unfavorable clinical outcome of HNSCC.,sequence cauti

Background	alternative products:Ccnl1 is an immediate-early gene with independently regulated isoforms,domain: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.,function:Transcriptional regulator which participates in regulating the pre-mRNA splicing process. Seems to be involved in the regulation of RNA polymerase II (pol II). Functions in association with cyclin-dependent kinases (CDKs) and has a role in the second step of splicing. May be a candidate proto-oncogene in head and neck squamous cell carcinomas (HNSCC). Inhibited by the CDK-specific inhibitor p21.,miscellaneous:CCNL1 is amplified in several HNSCC. May play a critical role in the formation of loco-regional metastases and an unfavorable clinical outcome of HNSCC.,sequence caution:Probable cloning artifact.,similarity:Belongs to the cyclin family. Cyclin L subfamily.,subcellular location:More specifically found in nuclear intrachromatin granules clusters (IGC), also called nuclear speckles, which are storage compartments for nuclear proteins involved in mRNA processing.,subunit:Interacts with POLR2A via its hyperphosphorylated C-terminal domain (CTD) (By similarity). Interacts with CDC2L1 or CDC2L2, and SFRS2.,tissue specificity:Ubiquitous with higher level in thymus. Overexpression in primary tumors of head and neck squamous cell carcinomas (HNSCC).,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

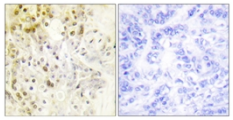
Products Images



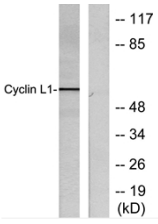
Western Blot analysis of various cells using Cyclin L1 Polyclonal Antibody diluted at 1:1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



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. Negetive contrl (right) obtaned 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.



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