



Rabbit Anti-CDKN2C/p18 INK4c antibody

SL4270R

Product Name:	CDKN2C/p18 INK4c
Chinese Name:	Cyclin依赖性激酶抑制剂2C抗体
Alias:	CDK6 inhibitor p18; CDKN 2C; CDKN 6; CDKN2C; CDKN6; CDN2C_HUMAN; Cyclin dependent inhibitor; Cyclin dependent kinase 4 inhibitor C; Cyclin dependent kinase 6 inhibitor; Cyclin dependent kinase 6 inhibitor p18; Cyclin dependent kinase inhibitor 2C (p18 inhibits CDK4); Cyclin dependent kinase inhibitor 2C; Cyclin-dependent kinase 4 inhibitor C; Cyclin-dependent kinase 6 inhibitor; INK4C; OTTHUMP00000046546; p18; p18 inhibits CDK4; p18 INK4c; p18 INK6; p18-INK4c; p18-INK6.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	18kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CDKN2C:101-168/168
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	p18 INK4c is a specific inhibitor of cdk4 / cdk6 (it interacts strongly with CDK6 and

weakly with CDK4), and is expressed during G1 to S transition in the eukaryotic cell division cycle. It is maximally induced as cells enter S phase. Highest expression levels are found in skeletal muscle, but it is also found in the pancreas and heart.

Function:

Interacts strongly with CDK6, weakly with CDK4. Inhibits cell growth and proliferation with a correlated dependence on endogenous retinoblastoma protein RB.

Subunit:

Heterodimer of p18 with CDK6.

Tissue Specificity:

Highest levels found in skeletal muscle. Also found in pancreas and heart.

Similarity:

Belongs to the CDKN2 cyclin-dependent kinase inhibitor family. Contains 4 ANK repeats.

SWISS:

P42773

Gene ID:

1031

Database links:

[Entrez Gene: 469319](#) Chimpanzee

[Entrez Gene: 505691](#) Cow

[Entrez Gene: 475359](#) Dog

[Entrez Gene: 101125732](#) Gorilla

[Entrez Gene: 1031](#) Human

[Entrez Gene: 12580](#) Mouse

[Entrez Gene: 29658](#) Rat

[Entrez Gene: 711877](#) Rhesus monkey

[Omim: 603369](#) Human

[SwissProt: P42773](#) Human

[SwissProt: Q60772](#) Mouse

[Unigene: 525324](#) Human

[Unigene: 728783](#) Human

[Unigene: 1912](#) Mouse

[Unigene: 63865](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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