



Rabbit Anti-CDKN2B/p15 INK4b antibody

SL4269R

Product Name:	CDKN2B/p15 INK4b
Chinese Name:	Cyclin依赖性激酶抑制剂2B抗体
Alias:	CDK inhibitory protein; CDK4B Inhibitor; CDKN2B; Cyclin dependent kinase 4 inhibitor B; Cyclin Dependent Kinase Inhibitor 2B; Cyclin dependent kinase inhibitor 2B p15 inhibits CDK4; Cyclin-dependent kinases 4 and 6 binding protein; INK4B; MTS 2; MTS2; Multiple Tumor Suppressor 2; p14 CDK inhibitor; p14 INK4b; P15; p15 CDK inhibitor; p15 inhibits CDK4; p15 INK4b; P15(INK4B); p15INK4B; TP 15; TP15.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Rabbit,
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:	15kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CDKN2B:65-138/138
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:	p15 INK4b / MTS 2 (Mitotic Inhibitor / Suppressor Protein) is a specific inhibitor of cdk 4 / cdk 6 and is periodically expressed during the cell cycle. Reportedly, p15 INK4b expression is induced approximately 30 fold in human keratinocytes by treatment with

TGF beta, suggesting that p15 INK4b may act as an effector of TGF beta mediated cell cycle arrest. p15 INK4b is mapped to chromosome 9p21, a region of frequent loss in a wide variety of cancers.

Function:

Interacts strongly with CDK4 and CDK6. Potent inhibitor. Potential effector of TGF-beta induced cell cycle arrest.

Subunit:

Heterodimer of CDKN2B with CDK4 or CDK6. Isoform 2 does not interact with CDK4 nor CDK6.

Subcellular Location:

Cytoplasm. Note=Also found in the nucleus.

Tissue Specificity:

Isoform 2 is expressed in normal (keratinocytes, fibroblasts) and tumor cell lines.

Similarity:

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

SWISS:

42772

Gene ID:

1030

Database links:

[Entrez Gene: 1030](#) Human

[Entrez Gene: 12579](#) Mouse

[Entrez Gene: 25164](#) Rat

[Omim: 600431](#) Human

[SwissProt: P42772](#) Human

[SwissProt: P55271](#) Mouse

[SwissProt: P55272](#) Rat

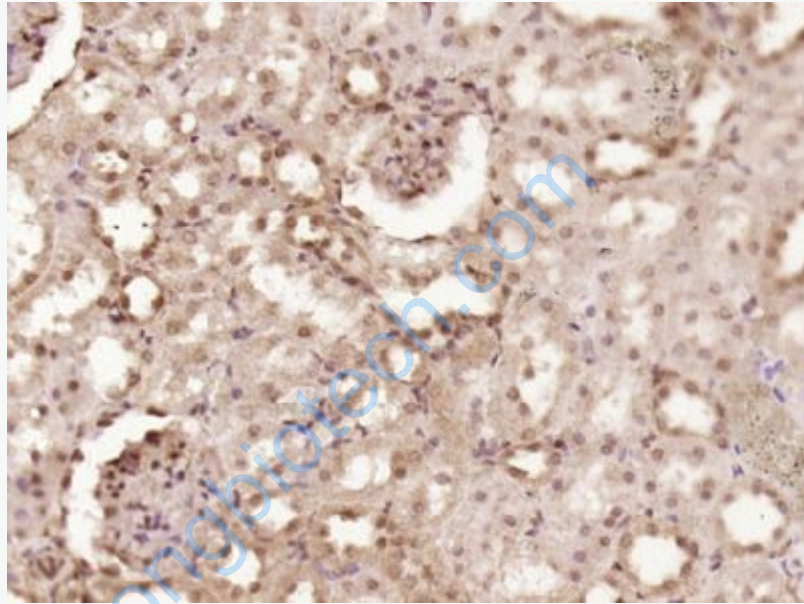
[Unigene: 72901](#) Human

[Unigene: 423094](#) Mouse

[Unigene: 105626](#) Rat

Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (Rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CDKN2B) Polyclonal Antibody, Unconjugated (SL4269R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.