ARG66653
anti-p15 INK4b antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes p15 INK4b
Tested Reactivity	Hu, Ms
Predict Reactivity	Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	p15 INK4b
Species	Human
Immunogen	Synthetic peptide between aa. 60-140 of Human p15 INK4b.
Conjugation	Un-conjugated
Alternate Names	MTS-2; MTS2; Multiple tumor suppressor 2; p14-INK4b; Cyclin-dependent kinase 4 inhibitor B; TP15; p15INK4B; p15-INK4b; P15; p15INK4b; CDK4I; INK4B

Application Instructions

Application table

Application	Dilution
ICC/IF	1:200 - 1:1000
IHC-P	1:100 - 1:300
WB	1:500 - 1:2000

Application Note: IHC-P: Antigen Retrieval: High-pressure and temperature EDTA buffer (pH 8.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 15 kDa

Properties

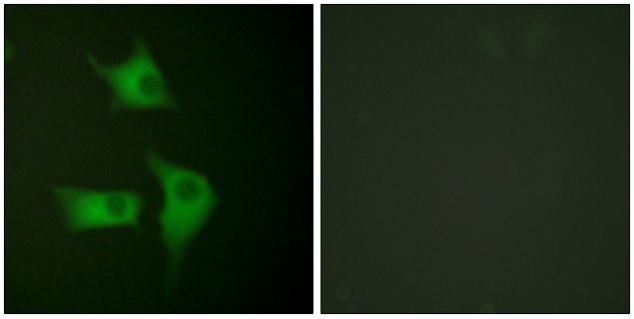
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

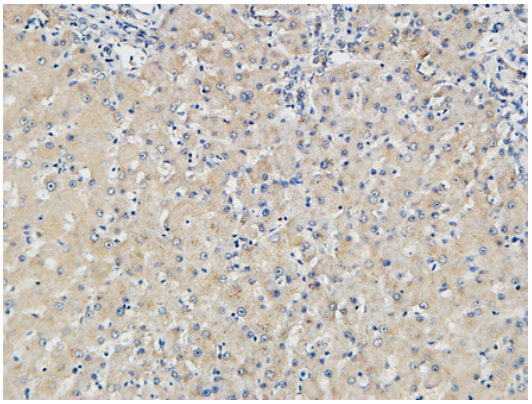
Gene Symbol	CDKN2B
Gene Full Name	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)
Background	This gene lies adjacent to the tumor suppressor gene CDKN2A in a region that is frequently mutated and deleted in a wide variety of tumors. This gene encodes a cyclin-dependent kinase inhibitor, which forms a complex with CDK4 or CDK6, and prevents the activation of the CDK kinases, thus the encoded protein functions as a cell growth regulator that controls cell cycle G1 progression. The expression of this gene was found to be dramatically induced by TGF beta, which suggested its role in the TGF beta induced growth inhibition. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. [provided by RefSeq, Jul 2008]
Function	Interacts strongly with CDK4 and CDK6. Potent inhibitor. Potential effector of TGF-beta induced cell cycle arrest. [UniProt]
Calculated Mw	15 kDa
Cellular Localization	Cytoplasm. Note=Also found in the nucleus. [UniProt]

Images



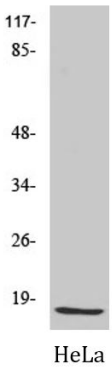
ARG66653 anti-p15 INK4b antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG66653 anti-p15 INK4b antibody. The picture on the right is blocked with the synthetic peptide.



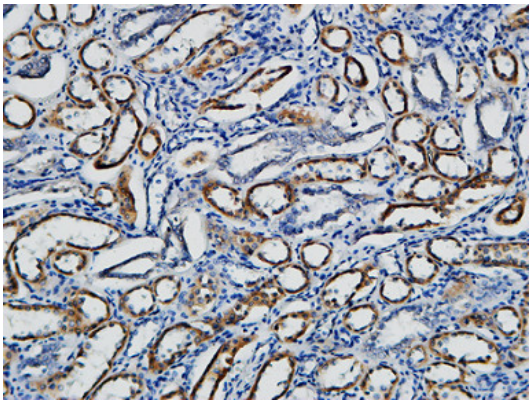
ARG66653 anti-p15 INK4b antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue. Antigen Retrieval: High-pressure and temperature EDTA buffer (pH 8.0). Tissue section was stained with ARG66653 anti-p15 INK4b antibody at 1:100 dilution (4°C, overnight).



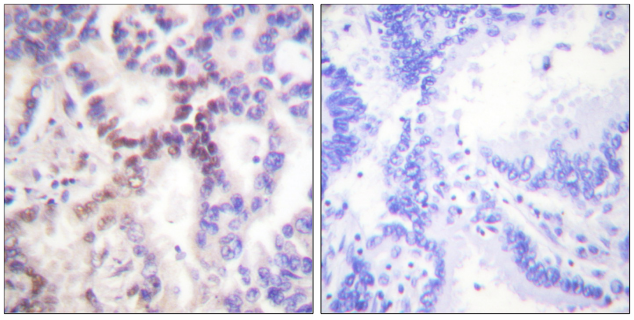
ARG66653 anti-p15 INK4b antibody WB image

Western blot: HeLa cell lysate stained with ARG66653 anti-p15 INK4b antibody at 1:500 dilution.



ARG66653 anti-p15 INK4b antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue. Antigen Retrieval: High-pressure and temperature EDTA buffer (pH 8.0). Tissue section was stained with ARG66653 anti-p15 INK4b antibody at 1:100 dilution (4°C, overnight).



ARG66653 anti-p15 INK4b antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung carcinoma tissue stained with ARG66653 anti-p15 INK4b antibody. The picture on the right is blocked with the synthetic peptide.