



p15 Polyclonal Antibody

Catalog No	BYab-16758
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CDKN2B
Protein Name	Cyclin-dependent kinase 4 inhibitor B
Immunogen	The antiserum was produced against synthesized peptide derived from human p15 INK. AA range:89-138
Specificity	p15 Polyclonal Antibody detects endogenous levels of p15 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	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CDKN2B; MTS2; Cyclin-dependent kinase 4 inhibitor B; Multiple tumor suppressor 2; MTS-2; p14-INK4b; p15-INK4b; p15INK4B
Observed Band	14kD
Cell Pathway	Cytoplasm . Also found in the nucleus.
Tissue Specificity	Isoform 2 is expressed in normal (keratinocytes, fibroblasts) and tumor cell lines.
Function	disease:Defects in CDKN2B are involved in tumor formation.,function:Interacts strongly with CDK4 and CDK6. Potent inhibitor. Potential effector of TGF-beta induced cell cycle arrest.,polymorphism:Genetic variations in CDKN2B may underlie susceptibility to uveal melanoma [MIM:155720]. Uveal melanoma is the most common type of ocular malignant tumor, consisting of overgrowth of uveal melanocytes and often preceded by a uveal nevus.,similarity:Belongs to the CDKN2 cyclin-dependent kinase inhibitor family.,similarity:Contains 4 ANK repeats.,subunit:Heterodimer of CDKN2B with CDK4 or CDK6.,

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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],

matters needing attention

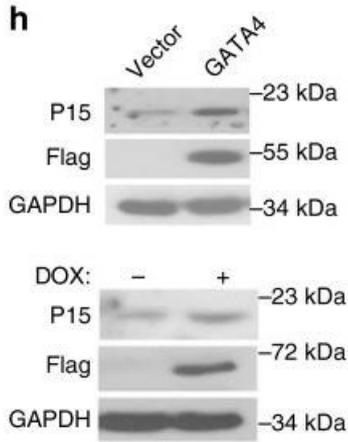
Avoid repeated freezing and thawing!

Usage suggestions

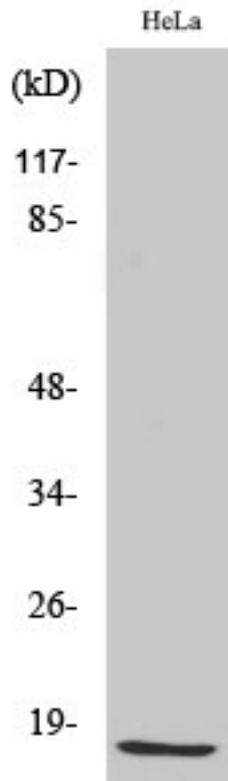
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



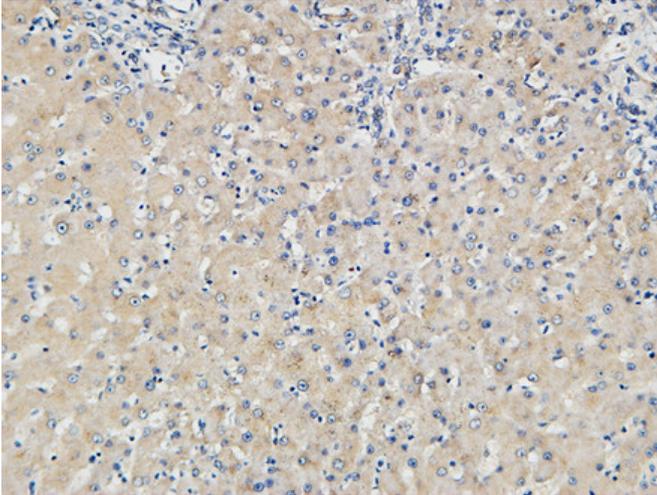
Products Images



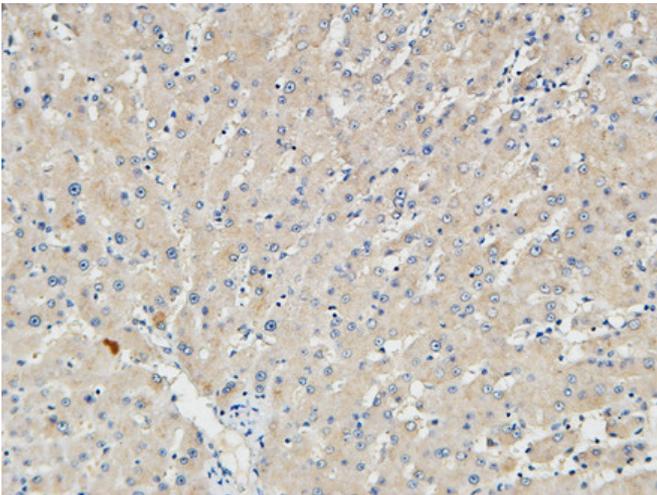
Gao, Lei, et al. "Lung cancer deficient in the tumor suppressor GATA4 is sensitive to TGFBR1 inhibition." Nature communications 10.1 (2019): 1665.



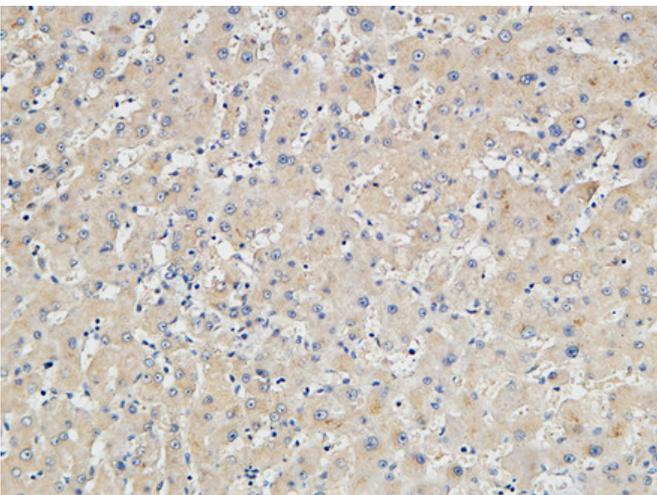
Western Blot analysis of various cells using p15 Polyclonal Antibody diluted at 1:500



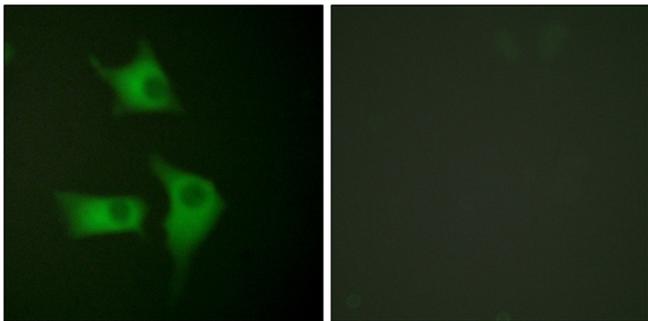
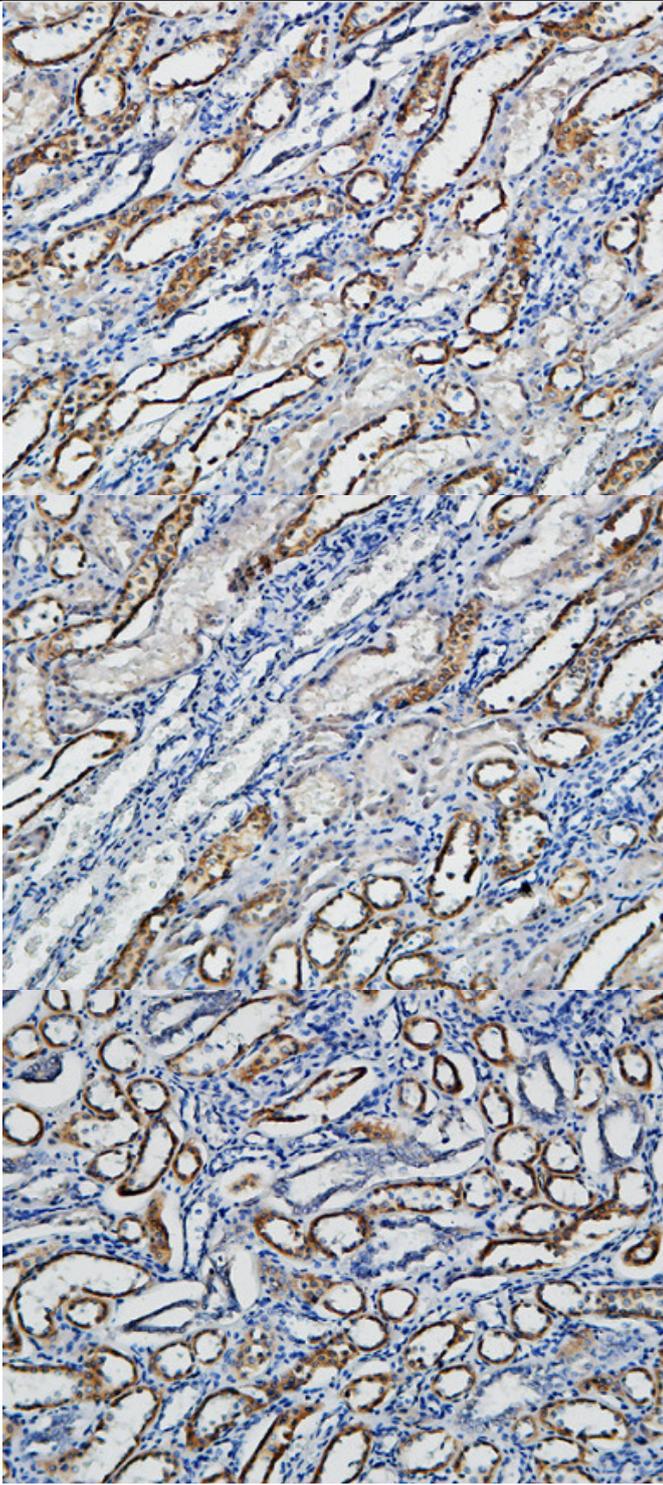
Immunohistochemical analysis of paraffin-embedded Human Right liver. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).



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