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Anti-p15 INK4b Antibody

Catalog # AP51073

Product Information

Application	WB, IHC, IP, IF/IC
Primary Accession	P42772
Reactivity	Human, Mouse, Rat, Pig, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14722

Additional Information

Gene ID	1030
Other Names	MTS2; Cyclin-dependent kinase 4 inhibitor B; Multiple tumor suppressor 2; MTS-2; p14-INK4b; p15-INK4b; p15INK4B
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human p15 INK4b. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IP~~N/A IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

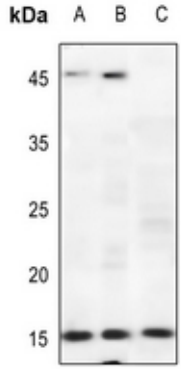
Name	CDKN2B
Synonyms	MTS2
Function	Interacts strongly with CDK4 and CDK6. Potent inhibitor. Potential effector of TGF-beta induced cell cycle arrest.
Cellular Location	Cytoplasm. Note=Also found in the nucleus
Tissue Location	Isoform 2 is expressed in normal (keratinocytes, fibroblasts) and tumor cell lines.

References

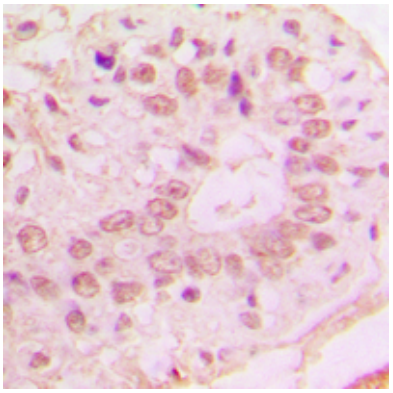
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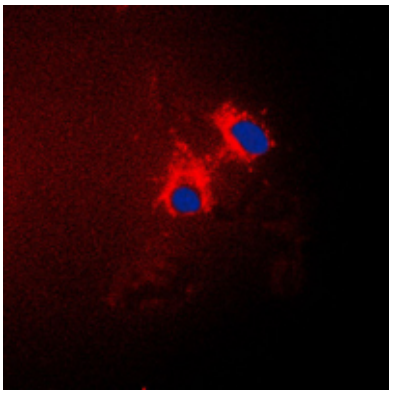
Images



Western blot analysis of p15 INK4b expression in HEK293T (A), Hela (B), mouse liver (C) whole cell lysates. (Predicted band size: 14 kD; Observed band size: 15 kD)



Immunohistochemical analysis of p15 INK4b staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of p15 INK4b staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.