

p15 INK (PTR2192) mouse mAb

Catalog No :	YM4531
Reactivity :	Human;
Applications :	WB;IF;ELISA
Target :	CDKN2B
Gene Name :	CDKN2B MTS2
Protein Name :	Cyclin-dependent kinase 4 inhibitor B (Multiple tumor suppressor 2) (MTS-2) (p14-INK4b) (p15-INK4b) (p15INK4B)
Human Gene Id :	1030
Human Swiss Prot No :	P42772
Mouse Gene Id :	12579
Mouse Swiss Prot No :	P55271
Immunogen :	Synthesized peptide derived from human p15 INK (PTR2192) AA range: 50-138
Specificity :	This antibody detects endogenous levels of p15 INK protein.
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Mouse, Monoclonal/IgG
Dilution :	WB 1:500-2000. IF 1:100-500. ELISA 1:1000-5000
Purification :	Protein G
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 15kD

Observed Band : 15kD

Background :

cyclin dependent kinase inhibitor 2B(CDKN2B) Homo sapiens 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.

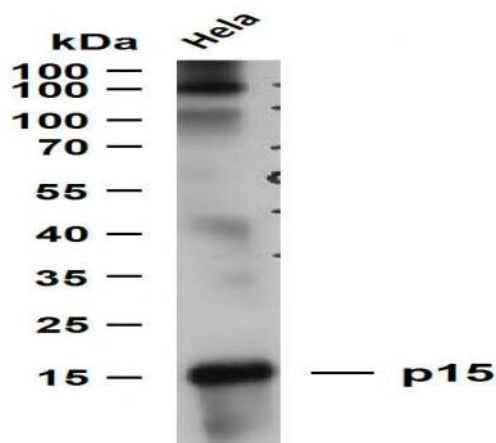
Subcellular Location :

Cytoplasmic

Expression :

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

Products Images



Whole cell lysates were separated by 15% SDS-PAGE, and the membrane was blotted with anti-p15 (PTR2192) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa