

p21 (PTR2559) Mouse mAb

Catalog No :	YM3802
Reactivity :	Human;Mouse
Applications :	WB;IHC
Target :	P21
Gene Name :	CDKN1A CAP20 CDKN1 CIP1 MDA6 PIC1 SDI1 WAF1
Protein Name :	p21
Human Gene Id :	1026
Human Swiss Prot No :	P38936
Mouse Gene Id :	12575
Mouse Swiss Prot No :	P39689
Immunogen :	Synthesized peptide derived from human p21 AA range: 1-100
Specificity :	This antibody detects endogenous levels of p21 at Human
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Monoclonal, Mouse IgG1, Kappa
Dilution :	WB 1:500-2000 IHC 1:50-200
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 21kD

Function :

function:May be the important intermediate by which p53 mediates its role as an inhibitor of cellular proliferation in response to DNA damage. Binds to and inhibits cyclin-dependent kinase activity, preventing phosphorylation of critical cyclin-dependent kinase substrates and blocking cell cycle progression.,induction:By p53, mezerein (antileukemic compound) and interferon beta.,PTM:Phosphorylation of Thr-145 by Akt or of Ser-146 by PKC impairs binding to PCNA.,similarity:Belongs to the CDI family.,tissue specificity:Expressed in all adult human tissues, with 5-fold lower levels observed in the brain.,

Subcellular

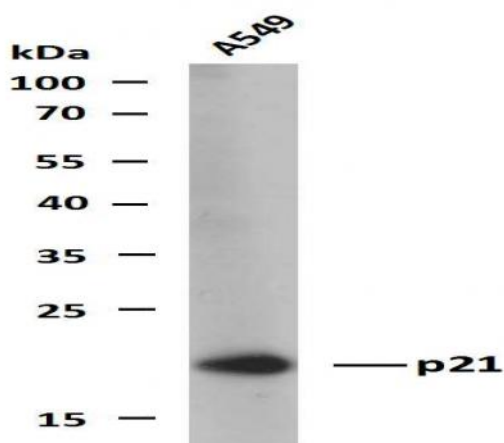
Location :

Cytoplasm . Nucleus .

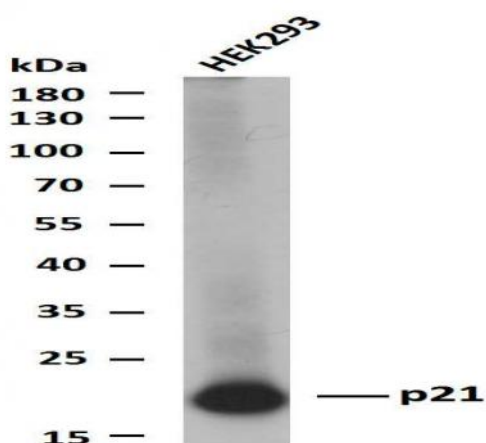
Expression :

Expressed in all adult tissues, with 5-fold lower levels observed in the brain.

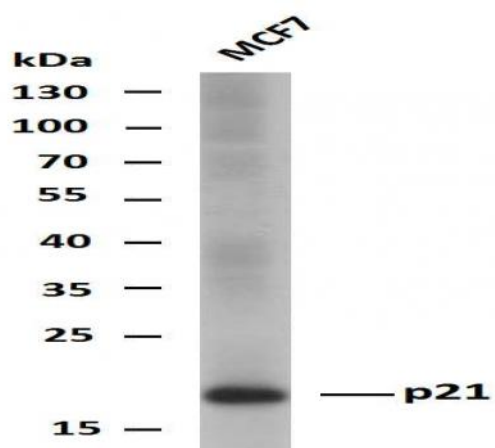
Products Images



Whole cell lysates of A549 were separated by 12% SDS-PAGE, and the membrane was blotted with anti-p21 (PTR2559) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: A549 Predicted band size: 21kDa Observed band size: 21kDa



Whole cell lysates of HEK293 were separated by 12% SDS-PAGE, and the membrane was blotted with anti-p21 (PTR2559) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HEK293 Predicted band size: 21kDa Observed band size: 21kDa



Whole cell lysates of MCF7 were separated by 12% SDS-PAGE, and the membrane was blotted with anti-p21 (PTR2559) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: MCF7 Predicted band size: 21kDa Observed band size: 21kDa