

Anti-p21 Rabbit pAb

Purified Rabbit Polyclonal Antibody

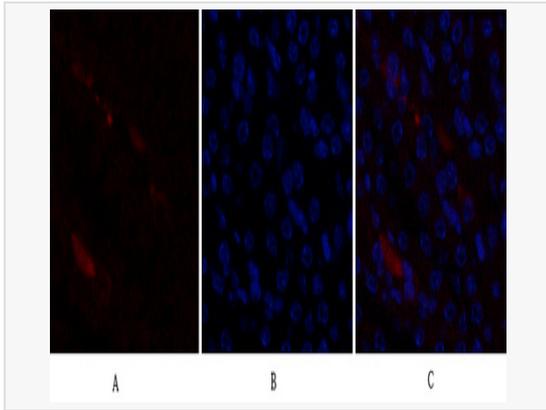
Catalog # P012989

Product Information

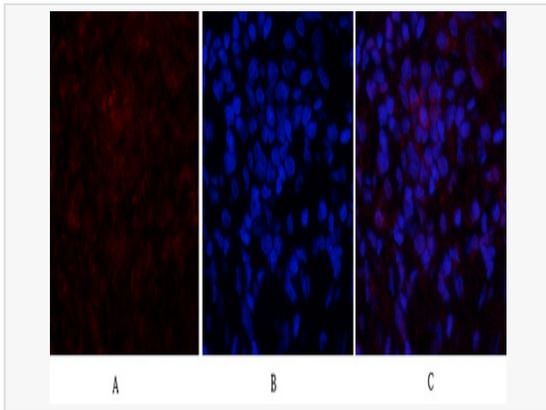
Application	ICC/IF (Cell), WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; ELISA 1:10,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	The antiserum was produced against synthesized peptide derived from human p21 Cip1.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-p21 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

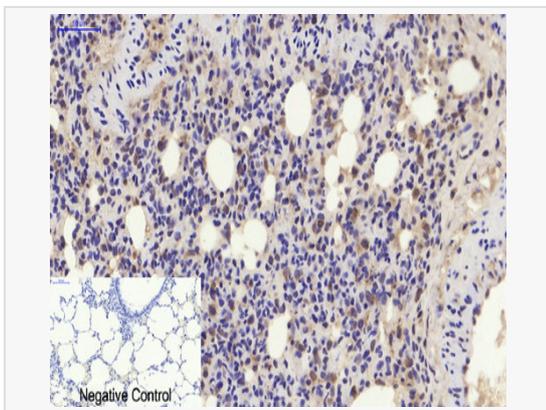
Synonyms	CDKN1A, CAP20, CDKN1, CIP1, MDA6, PIC1, SDI1, WAF1, Cyclin-dependent kinase inhibitor 1, CDK-interacting protein 1, Melanoma differentiation-associated protein 6, MDA-6, p21.
Calculated MW	Calculated MW: 18 kDa; Observed MW: 20 kDa
Uniprot ID	P38936
Gene ID	1026
Background	The tumor suppressor protein p21 Waf1/Cip1 acts as an inhibitor of cell cycle progression. It functions in stoichiometric relationships forming heterotrimeric complexes with cyclins and cyclin-dependent kinases. In association with CDK2 complexes, it serves to inhibit kinase activity and block progression through G1/S. However, p21 may also enhance assembly and activity in complexes of CDK4 or CDK6 and cyclin D.



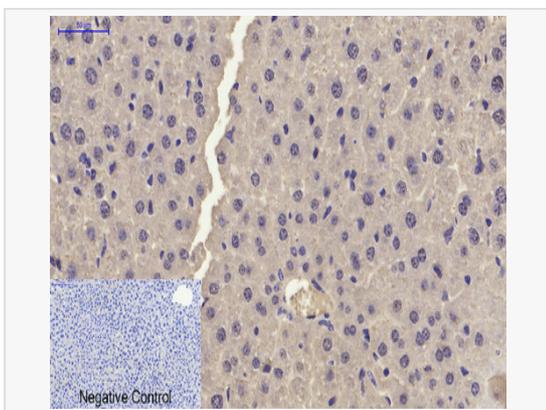
Immunofluorescence analysis of p21 in mouse kidney tissue using p21 Antibody (red) ,and DAPI (blue) .



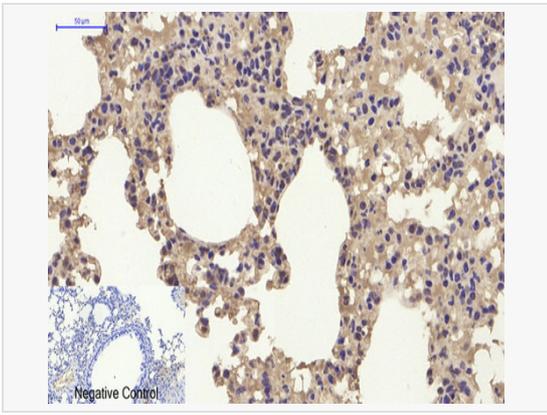
Immunofluorescence analysis of p21 in rat lung tissue using p21 antibody(red),and DAPI (blue).



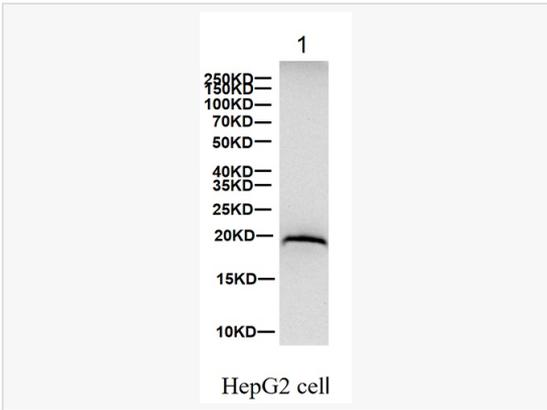
Immunohistochemistry analysis of paraffin-embedded rat lung tissue using p21 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.



Immunohistochemistry analysis of paraffin-embedded mouse liver tissue using p21 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.



Immunohistochemistry analysis of paraffin-embedded mouse lung tissue using p21 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.



Western blot analysis of p21 in HepG2 using p21 antibody.