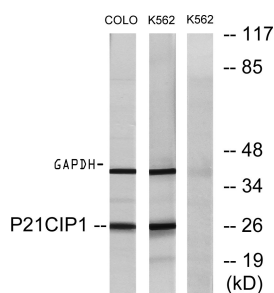
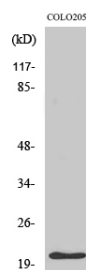


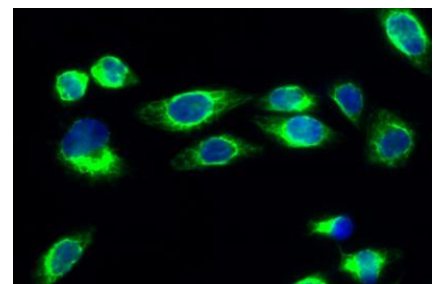
Cat. No:	AB-83710
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human p21 Cip1. AA range:111-160
Reactivity:	Human, Mouse, Rat
Applications:	Western Blot: 1/500 - 1/2000 Immunofluorescence: 1:50-200
Molecular Weight:	21kDa
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Synonyms:	CDKN1A; CAP20; CDKN1; CIP1; MDA6; PIC1; SDI1; WAF1; Cyclin-dependent kinase inhibitor 1; CDK-interacting protein 1; Melanoma
Background:	This gene encodes a potent cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits the activity of cyclin-cyclin-dependent kinase2 or -cyclin-dependent kinase4 complexes, and thus functions as a regulator of cell cycle progression at G1. The expression of this gene is tightly controlled by the tumor suppressor protein p53, through which this protein mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. This protein can interact with proliferating cell nuclear antigen, a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. This protein was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of cyclin-dependent kinase2, and may be instrumental in the execution of apoptosis following caspase activation.
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	Store at -20°C. Avoid repeated freeze-thaw cycles.



Western blot analysis of lysates from COLO and K562 cells, treated with EGF,



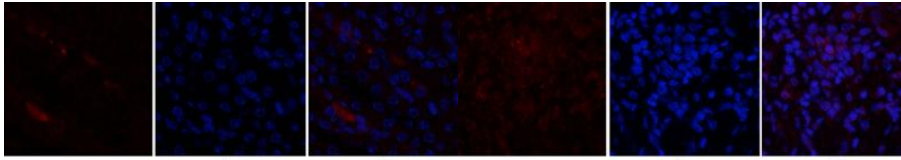
Western Blot analysis of COLO205 cells using p21 Polyclonal Antibody



Immunofluorescence analysis of HeLa cell.

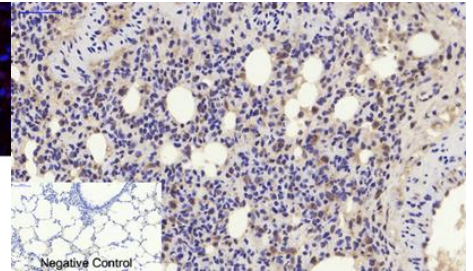
using p21 Cip1 Antibody. The lane on the right is blocked with the synthesized peptide.

1,p21 Polyclonal Antibody(green) was diluted at 1:200(4° overnight).
2, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min).
3 DAPI(blue) 10min.



Immunofluorescence analysis of mouse-kidney tissue. 1,p21 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

Immunofluorescence analysis of rat-lung tissue. 1,p21 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target.



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,p21 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature,30min). Negative control was used by secondary antibody only.

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