

30-2498: Anti-p21Waf1 Antibody (Clone : WA-1)

Clonality :	Monoclonal
Clone Name :	WA-1
Application :	IHC(P), ICC, ELISA
Reactivity :	Human
Gene :	CDKN1A
Gene ID :	1026
Format :	Purified
Alternative Name :	CDKN1A, CIP1, CAP20, cyclin dependent kinase inhibitor 1A
Isotype :	Mouse IgG1
Immunogen Information :	Human p21 protein

Description

The tumour suppressor p21Waf1 (Wild-type p53-Activated Fragment 1; also known as Cip1, Cdk interacting protein, or SDI 1) is a cyclin-dependent kinase (Cdk) inhibitor, which is expressed by involvement of p53, Egr-1, AP2, STATs or other transcription factors upon various stimuli resulting in cell cycle arrest. Through its N-terminal domain p21Waf1 inhibits Cdk activity, whereas through the C-terminal domain it inhibits the activity of PCNA (proliferating cell nuclear antigen) to activate DNA replication. Cytosolic location of p21 counteracts its inhibitory activities.

Specificity : The antibody WA-1 reacts with p21 protein (Waf1, Cip1, SDI 1; intracellular antigen), a 21 kDa tumour suppressor, which inhibits the activity of cyclin-dependent family kinases and of proliferating cell nuclear antigen.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	1 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

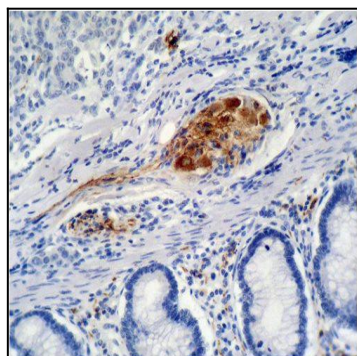


Figure 1 : Immunohistochemistry staining of colon carcinoma (paraffin-embedded sections) with anti-p21 (WA-1).

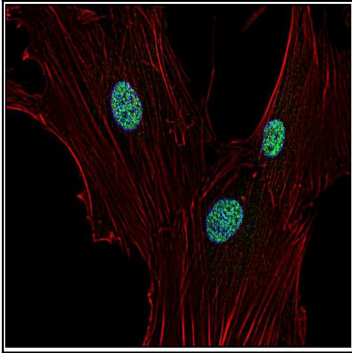


Figure 2 : Immunocytochemistry staining of p21 in human primary fibroblasts using anti-p21 (WA-1; green). Actin cytoskeleton decorated by phalloidin (red) and cell nuclei stained with DAPI (blue).