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36-1006: Monoclonal Antibody to p21WAF1 (Tumor Suppressor Protein)(Clone: HJ21)

Clonality: Monoclonal

Clone Name: HJ21

Application: FACS,IF,IHC

Reactivity: Human, Mouse, Rat

 Gene :
 CDKN1A

 Gene ID :
 1026

 Uniprot ID :
 P38936

 Format :
 Purified

Alternative Name : CDKN1A,CAP20,CDKN1,CIP1,MDA6,PIC1,SDI1,WAF1

Isotype: Mouse IgG1, kappa

Immunogen Information: Human recombinant p21 protein

Description

This MAb recognizes a 21kDa protein, identified as the p21WAF1 tumor suppressor protein. It is highly specific to p21 and shows no cross-reaction with other closely related mitotic inhibitors. p21WAF1 is a specific inhibitor of cdk s and a tumor suppressor involved in the pathogenesis of a variety of malignancies. The expression of this gene acts as an inhibitor of the cell cycle during G1 phase and is tightly controlled by the tumor suppressor protein p53. Its expression is induced by the wild type, but not mutant, p53 suppressor protein. Normal cells generally display a rather intense nuclear p21 expression. Loss of p21 expression has been reported in many carcinomas (gastric carcinoma, non-small cell lung carcinoma, thyroid carcinoma).

Product Info

Amount: $100 \mu g$

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

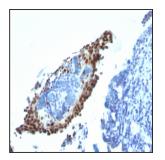
toxic.

Storage condition : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded Bladder Carcinoma stained with p21 Monoclonal Antibody (HJ21).